# SRS AIRBAG CONTROL SYSTEM

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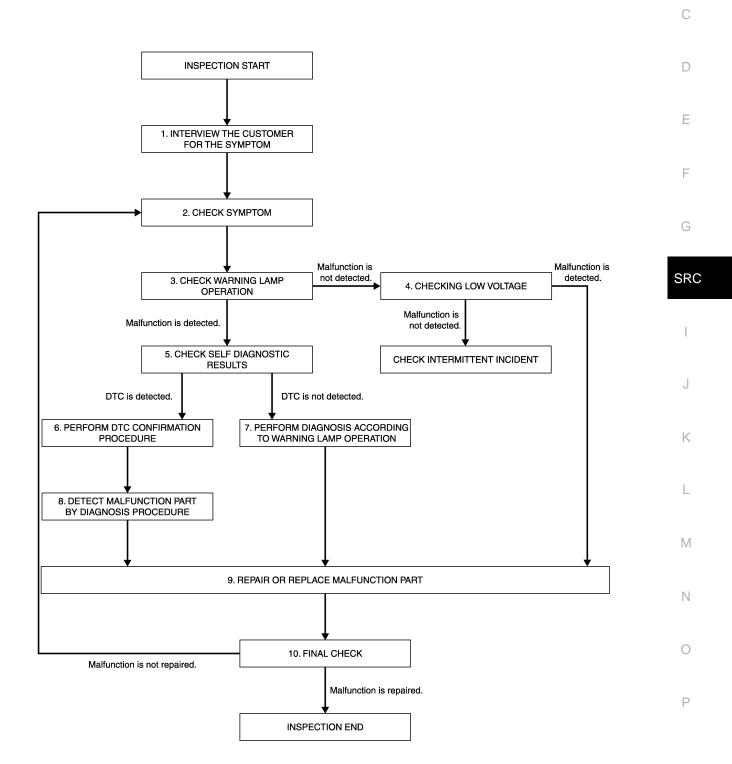
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# BASIC INSPECTION DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

## OVERALL SEQUENCE



JMHIA1324GB

#### DETAILED FLOW

Revision: 2011 August

INFOID:000000007621534

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## DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

## **1.** INTERVIEW THE CUSTOMER FOR THE SYMPTOM

Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs).

#### >> GO TO 2.

## 2.CHECK SYMPTOM

Check the symptom from the customer information.

#### >> GO TO 3.

## 3.CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>.

Are any malfunction detected?

YES >> GO TO 5. NO >> GO TO 4.

**4.**CHECK LOW VOLTAGE

Check low voltage with CONSULT. Refer to SRC-23, "CONSULT Function".

Are any malfunction detected?

YES >> GO TO 9.

NO >> Check intermittent incident. Refer to <u>GI-44, "Intermittent Incident"</u>.

**5.**CHECK SELF DIAGNOSTIC RESULTS

Check self diagnostic result with CONSULT or diagnosis mode.

If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected. **NOTE:** 

Perform the following procedure if DTC is detected.

- Record DTC (Print them out with CONSULT.)
- Erase self diagnostic result.
- Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.
- Check related service bulletins for information.

#### Is DTC detected?

YES >> GO TO 6.

NO >> GO TO 7.

**6.**PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the DTC.

>> GO TO 8.

**1.**PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

- 1. Check air bag warning lamp operation in the user mode. Refer to <u>SRC-18. "Diagnosis with Air Bag Warn-ing Lamp"</u>.
- 2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to <u>SRC-18, "Diagnosis with</u> <u>Air Bag Warning Lamp"</u> (USER MODE).

>> GO TO 9.

#### $\mathbf{8}$ . DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

## DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >	[COUPE]
9. REPAIR OR REPLACE THE MALFUNCTION PART	٨
Repair or replace the malfunctioning part.	^
>> GO TO 10.	В
10.final check	
Check self diagnostic result and air bag warning lamp operation in the user mode.	C
Is the malfunction repaired?	0
YES >> INSPECTION END	
NO $>>$ GO TO 2.	D
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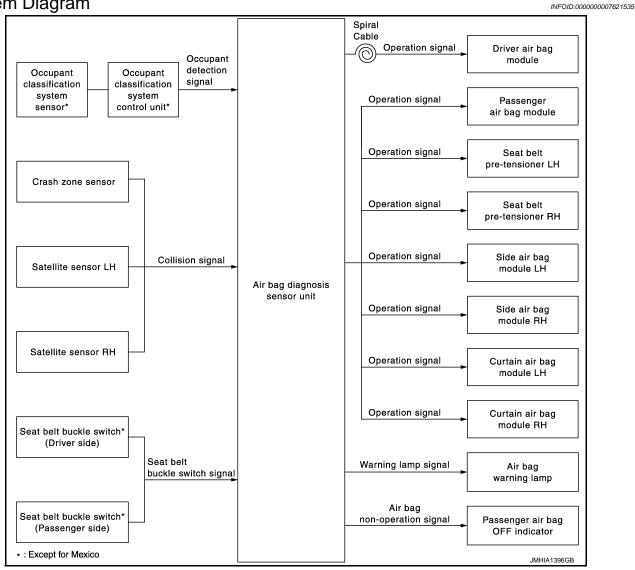
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# SYSTEM DESCRIPTION SRS AIR BAG SYSTEM

## System Diagram



## System Description

INFOID:000000007621536

Supplemental Restraint System (SRS) activates air bag module and seal belt pre-tensioner when it detects a frontal collision or a side collision that is more than the specified limit. Together with other safety devices, it reduces the impact that occupant receives when vehicle collision occurs.

Air bag diagnosis sensor unit supplies power supply to air bag module and pre-tensioner seat belt when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag diagnosis sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag. At the same time, pre-tensioner seat belt receives power supply from air bag diagnosis sensor unit, gasgenerator is activated, and then gas is generated. Balls in pipe are moved according to generated gas pressure and strike pinion gear on ELR shaft. ELR shaft rotates and retracts seat belt.

When air bag diagnosis sensor unit detects a rollover of the vehicle, electric igniter (spuib) receives power supply, pyrotechnic material is ignited, and then piston is projected.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS Air bag diagnosis sensor unit has the following functions.

## SRC-12

## SRS AIR BAG SYSTEM

#### < SYSTEM DESCRIPTION >

## [COUPE]

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking A air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis
   <sup>B</sup> mode.
- Indicates the malfunction record via CONSULT.
- Suppresses the deployment of passenger air bag when passenger seat is empty or occupied by child or C child-seat.
- When passenger seat is occupied by child or child seat, turns ON passenger air bag OFF indicator.
- When judges that passenger seat is occupied by an adult or a child and passenger seat belt is not fastened, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to <u>SBC-3</u>, "System <u>Description</u>".

#### COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, and seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS configurations that are activated for the following collision modes.

				-			×: Apply	—: Not apply	
Collision Mode	Driver air bag module	Passenger air bag module	Seat belt pre-ten- sioner LH	Seat belt pre-ten- sioner RH	Side air bag module LH	Side air bag module RH	Curtain air bag module LH	Curtain air bagmodule RH	G
Frontal collision	×	×	×	×	_	—	—	_	
Left side collision	—	_	_	—	×	—	×	_	SRC
Right side collision	_			_		×		×	

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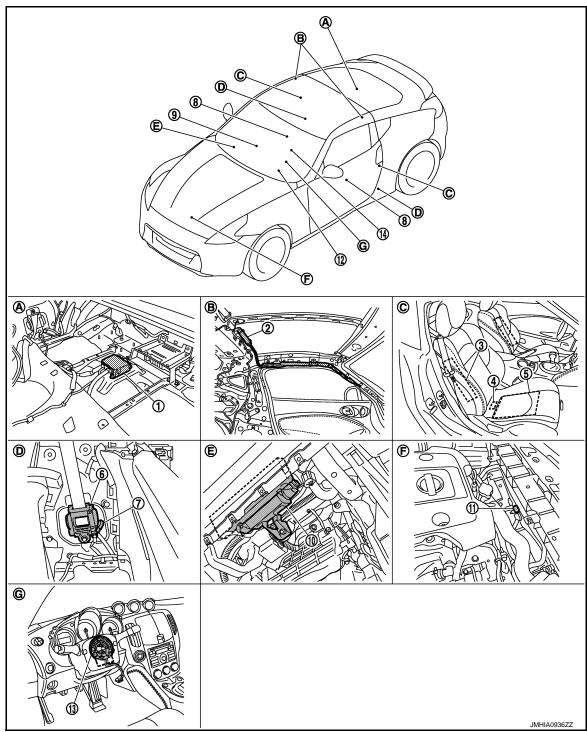
## **SRS AIR BAG SYSTEM**

#### < SYSTEM DESCRIPTION >

## **Component Parts Location**

INFOID:000000007621537

[COUPE]



- 1. Air bag diagnosis sensor unit
- Occupant Classification System con- 5. 4. trol unit
- 7. Satellite sensor LH/RH
- 10. Passenger air bag module
- 13. Combination switch (spiral cable)
- Behind seatback center finisher Α.
- 2.

- Curtain air bag module LH/RH
- Occupant Classification System seat 6. sensor mat 8.
- Seat belt buckle switch (Driver side/ 9. Passenger side)
- 11. Crash zone sensor
- 14. Driver air bag module
- Β. Behind headlining

- 3. Side air bag module LH/RH
  - Seat belt pre-tensioner LH/RH
  - Passenger air bag OFF indicator
- 12. Combination meter
- C. Passenger seat

## SRS AIR BAG SYSTEM

#### < SYSTEM DESCRIPTION >

- D. Behind rear side finisher
- G. View with steering wheel removed

## **Component Description**

E. Behind glove box assembly

Radiator core support assembly

F.

[COUPE]

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В

INFOID:000000007621538

Component	Function	
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.	
Air bag module		
Driver		
Passenger	Receives signal from air bag diagnosis sensor unit and deploys air bag.	
Side		
Curtain		
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tensioner.	
Seat belt buckle switch*	Controls deployment timing based on seat belt fastened or unfastened condition.	
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.	
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.	
Occupant Classification System control unit*	Detects passenger seat occupant and judges whether or not passenger seat air bag is deployed.	
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.	
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Classification System.	
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.	

\*:Except Mexico

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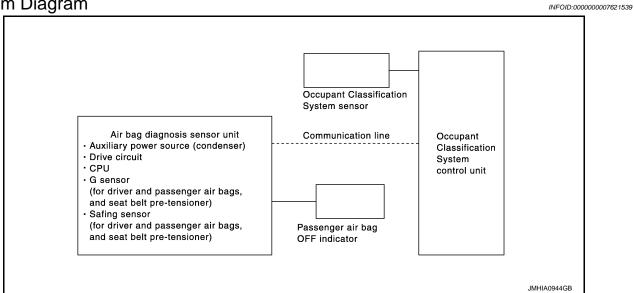
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## OCCUPANT CLASSIFICATION SYSTEM (EXCEPT FOR MEXICO)

## < SYSTEM DESCRIPTION >

# OCCUPANT CLASSIFICATION SYSTEM (EXCEPT FOR MEXICO)

## System Diagram



## System Description

INFOID:000000007621540

[COUPE]

Occupant Classification System has the following functions.

- Suppresses the deployment of front passenger air bag when front passenger seat is empty, or when occupied by child and child-seat.
- Turns on front passenger air bag OFF indicator when front passenger seat is occupied by child-seat and child.
- Indicates malfunction portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- · Indicates the malfunctioning record via CONSULT.

Status (passenger seat)	Passenger air bag	Passenger air bag OFF indicator	Air bag warning lamp
Empty	Suppress	OFF	OFF
Child/child-seat	Suppress	ON	OFF
Adult	Enable to deploy	OFF	OFF
Malfunction	Suppress	ON	Blinking

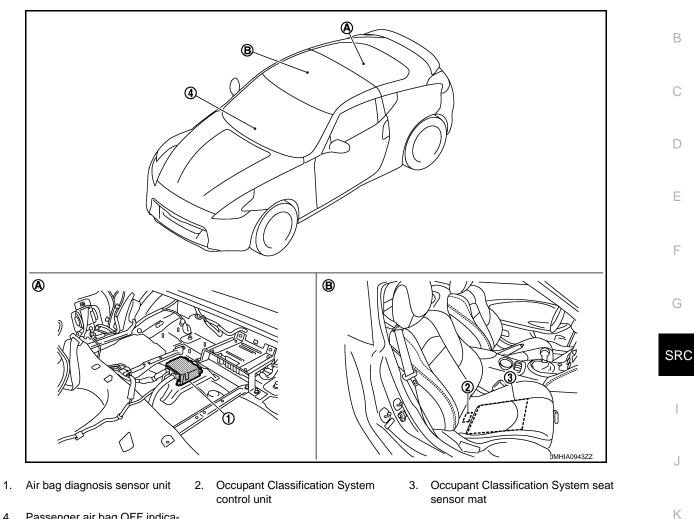
## **OCCUPANT CLASSIFICATION SYSTEM (EXCEPT FOR MEXICO)** [COUPE]

#### < SYSTEM DESCRIPTION >

## **Component Parts Location**

INFOID:000000007621541

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- 4. Passenger air bag OFF indicator
- Behined seatback center finish- B. Passenger seat Α. er

## **Component Description**

INFOID:000000007621542

Component parts	Outline of function
Occupant Cassification Sysytem seat sensor mat	Detects if the passenger seat is empty or occupied. It is integrated into the seat cussion and detects the occupants with occupant classification system control unit that classifies the occupants.
Occupant Classification System control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit. It is installed in the passenger seat cushion.
Passenger air bag OFF indicator	Turns the passenger air bag OFF indicator lamp ON when the front passenger seat is occupied by a child or a child-seat

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## Diagnosis Description

INFOID:000000007621543

[COUPE]

#### **CAUTION:**

- Never use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Never repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

#### **DIAGNOSIS FUNCTION**

- The SRS self-diagnosis results can be read with air bag warning lamp and/or CONSULT.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the air bag warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the air bag warning lamp and CONSULT are as per the following items.

×: Application, -: Not application

Diagnosis tool	User mode	Diagnosis mode
Air bag warning lamp	×	×
CONSULT	_	×

## Diagnosis with Air Bag Warning Lamp

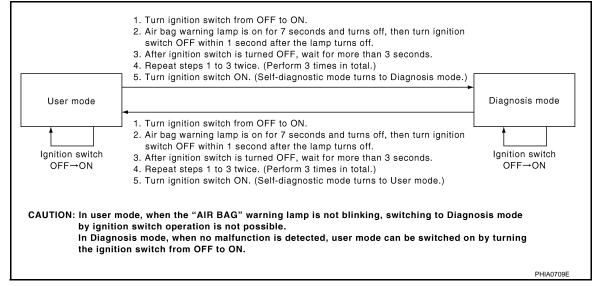
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## SELF DIAGNOSIS FUNCTION

There are two self diagnosis functions with air bag warning lamp per the following items.

- USER MODE
- DIAGNOSIS MODE

#### HOW TO CHANGE SELF DIAGNOSIS MODE WITHOUT CONSULT



#### USER MODE

In USER MODE, air bag warning lamp on combination meter blinks when a malfunction is detected and warns the customer (driver).

How to Read Air Bag Warning Lamp

- 1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
- 2. Compare the air bag warning lamp blinking pattern with the examples.

Air Bag Warning Lamp Examples

#### < SYSTEM DESCRIPTION >

## [COUPE]

Air bag warning lamp operation (user mode)	SRS condition	Reference item	A
OR OFF OFF 7 sec. SHIA0011E	<ul> <li>No malfunction is detected</li> <li>No further action is necessary</li> </ul>		B C D
IGN ON	The system is malfunctioning	Check "Self Diagnostic Result" with CONSULTI Refer to <u>SRC-23, "CONSULT Func- tion"</u>	E
	Battery voltage is low (less than 9 V)	Check "Cause of Warning Lamp" with CONSULT. Refer to <u>SRC-23, "CONSULT Func-</u> tion"	F
<b></b>   <b></b> 7 sec. 0.5 sec. 0.5 sec. SHIA0012E	Intermittent malfunction is detected in the past	Go to GI-44, "Intermittent Incident"	SF
	<ul><li>Air bag is deployed</li><li>Seat belt pre-tensioner is deployed</li></ul>	Go to <u>SRC-145, "Diagnosis Proce-</u> <u>dure"</u> or <u>SRC-146, "Diagnosis Pro-</u> <u>cedure"</u>	
OR OFF SHIA0013E	<ul> <li>Air bag diagnosis sensor unit is mal- functioning</li> <li>Air bag power supply circuit is mal- functioning</li> <li>Air bag warning lamp circuit is mal- functioning</li> </ul>	Go to <u>SRC-159, "Diagnosis Proce-</u> <u>dure"</u>	J
IGN ON ON OFF	<ul> <li>Air bag diagnosis sensor unit is mal- functioning</li> <li>Air bag warning lamp circuit is mal- functioning</li> </ul>	Go to <u>SRC-160, "Diagnosis Proce-</u> dure"	L M
SHIA0014E			

#### DIAGNOSIS MODE

The diagnosis mode can only be switched when a malfunction is detected in the user mode. Malfunctioning system is indicated according to blinking pattern of air bag warning lamp.

How to Read Air Bag Warning Lamp

- 1. Follow the procedures of "HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT", and switch to the diagnosis mode.
- 2. Turn ignition switch ON. Check the blinking pattern of air bag warning lamp.
  - There are 2 blinking patterns for the air bag warning lamp as per the following items.
  - Front air bag system: 3 second blink followed by a 0.5 second blink repeated.

## **SRC-19**

#### < SYSTEM DESCRIPTION >

## • Side air bag system: Two 1.5 second blinks followed by a 0.5 second blink repeated.

Number of 0.5 second blinks	Malfunctioning items	Blinking pattern
0	Self-diagnosis result is not deleted	—
1	Seat belt pre-tensioner LH	Refer to the following items <ul> <li><u>SRC-80, "DTC Logic"</u></li> <li><u>SRC-82, "DTC Logic"</u></li> <li><u>SRC-84, "DTC Logic"</u></li> <li><u>SRC-86, "DTC Logic"</u></li> </ul>
2	Driver air bag module	Refer to the following items• SRC-50, "DTC Logic"• SRC-52, "DTC Logic"• SRC-54, "DTC Logic"• SRC-56, "DTC Logic"• SRC-70, "DTC Logic"
3	Seat belt pre-tensioner RH	Refer to the following items• SRC-72, "DTC Logic"• SRC-74, "DTC Logic"• SRC-76, "DTC Logic"• SRC-78, "DTC Logic"
5	Occupant Classification System control unit	Refer to the following items• SRC-30, "DTC Logic"• SRC-32, "DTC Logic"• SRC-34, "DTC Logic"• SRC-38, "DTC Logic"
6	Crash zone sensor	Refer to the following items• SRC-42, "DTC Logic"• SRC-44, "DTC Logic"• SRC-46, "DTC Logic"
7	Air bag diagnosis sensor unit	Refer to the following itemsSRC-24. "DTC Logic"SRC-26. "DTC Logic"SRC-28. "DTC Logic"SRC-40. "DTC Logic"SRC-48. "DTC Logic"SRC-58. "DTC Logic"SRC-68. "DTC Logic"SRC-88. "DTC Logic"SRC-90. "DTC Logic"SRC-100. "DTC Logic"SRC-118. "DTC Logic"SRC-137. "DTC Logic"SRC-139. "DTC Logic"SRC-139. "DTC Logic"SRC-139. "DTC Logic"SRC-139. "DTC Logic"SRC-139. "DTC Logic"SRC-141. "DTC Logic"SRC-143. "DTC Logic"SRC-143. "DTC Logic"
8	Passenger air bag module	Refer to the following items• SRC-60, "DTC Logic"• SRC-62, "DTC Logic"• SRC-64, "DTC Logic"• SRC-66, "DTC Logic"
11	Passenger air bag OFF indicator	Refer to SRC-36, "DTC Log
17	Air bag diagnosis sensor unit	Refer to SRC-120, "DTC Lo

#### < SYSTEM DESCRIPTION >

## [COUPE]

Number of 0.5-second blinks	Malfunctioning items	Blinking pattern
1	Side air bag module RH	Refer to the following items         • SRC-102, "DTC Logic"         • SRC-104, "DTC Logic"         • SRC-106, "DTC Logic"         • SRC-108, "DTC Logic"
2	Side air bag module LH	Refer to the following items• SRC-110, "DTC Logic"• SRC-112, "DTC Logic"• SRC-114, "DTC Logic"• SRC-116, "DTC Logic"
3	Satellite sensor RH	Refer to the following items         • SRC-92, "DTC Logic"         • SRC-94, "DTC Logic"         • SRC-148, "DTC Logic"
4	Satellite sensor LH	Refer to the following items         • SRC-96, "DTC Logic"         • SRC-98, "DTC Logic"         • SRC-150, "DTC Logic"
5	Curtain air bag module RH	Refer to the following items• SRC-121, "DTC Logic"• SRC-123, "DTC Logic"• SRC-125, "DTC Logic"• SRC-127, "DTC Logic"
6	Curtain air bag module LH	Refer to the following items• SRC-129, "DTC Logic"• SRC-131, "DTC Logic"• SRC-133, "DTC Logic"• SRC-135, "DTC Logic"

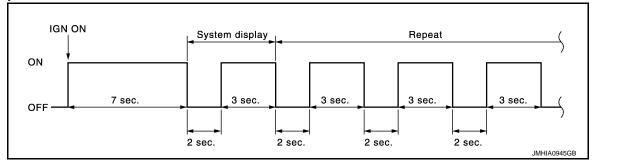
#### How to Erase Self Diagnosis Result

After a malfunction is repaired, turn the ignition switch OFF for one second or more, then turn ignition switch ON. The diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

## EXAMPLE OF AIR BAG WARNING LAMP OPERATION IN THE DIAGNOSIS MODE

#### System Normal

When system is normal.



#### Single System Malfunction

• Front air bag system

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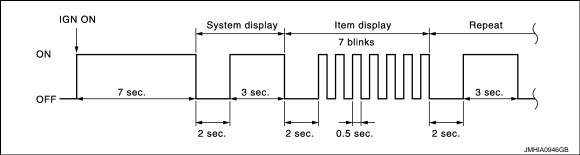
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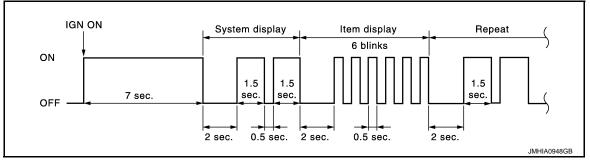
#### < SYSTEM DESCRIPTION >

#### When air bag diagnosis sensor unit system (Item display 1) is malfunctioning.



#### Side air bag system

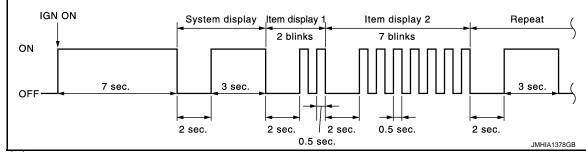
When curtain air bag module LH system (Item display 1) is malfunctioning.



Multiple Systems Malfunction

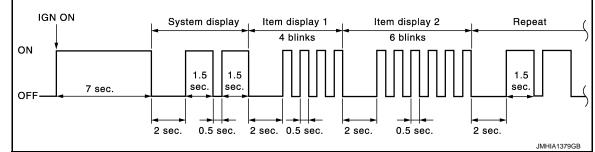
• Front air bag system

When driver air bag module (Item display 1) and air bag diagnosis sensor unit system (Item display 2) are malfunctioning.



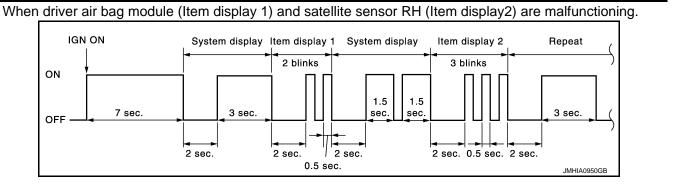
#### • Side air bag system

When satellite sensor LH (Item display1) and curtain air bag module LH system (Item display 2) are malfunctioning.



Front air bag system and side air bag system

#### < SYSTEM DESCRIPTION >



## CONSULT Function

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[COUPE]

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## APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
ECU Identification	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part num- ber is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
Self Diagnostic Result	<ul> <li>Self-diagnosis result is displayed. Refer to <u>SRC-154. "DTC Index"</u>.</li> <li>"No DTC" is displayed when repair is completed by part replacement or other operations</li> <li>"SELF-DIAG RESULT [MEMORY]" is displayed until "Erase" is performed. CAUTION: When "No DTC" is displayed after repair, always perform "Erase". If this is not done SRS air bag warning lamp remains blinking when user mode is resumed.</li> </ul>
TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT screen.
Cause of Warning Lamp	It displays the cause of warning lamp illumination that is not recorded in memory.

## CAUSE OF WARNING LAMP

This item indicates IGN low voltage condition.

The air bag warning lamp blink in user mode when the battery voltage is lowered to the voltage value (less than 9 V) at which the SRS cannot be operated normally. The air bag warning lamp turns OFF after the battery voltage returns to normal status after blinking.

In such a case, the DTC memory is not performed and changing to the self-diagnostic mode by IGN operation cannot be performed while the air bag warning lamp illuminates. "NO DTC" is displayed even if the malfunctioning parts are checked by CONSULT.

This function records the following items.

Display contents of CONSULT		Description
Air bag	IGN VOLT COND	"LOW" is displayed when IGN low voltage is detected. If not, "OK" is displayed.
	IGN VOLT TIME	Times of IGN low voltage is detected.
	LOW V RECORED	Times of IGN ON after IGN low voltage is detected.

## B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

# DTC/CIRCUIT DIAGNOSIS

# B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621546

[COUPE]

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621547

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

#### **Without CONSULT**

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-18, "Diagnosis with Air Bag Warning Lamp".

#### NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-24, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## **Diagnosis Procedure**

INFOID:000000007621548

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SEN < DTC/CIRCUIT DIAGNOSIS >	[COUPE]
2. Perform DTC confirmation procedure. Refer to <u>SRC-24, "DTC Logic"</u> .	
Is DTC detected?	A
YES >> GO TO 1. NO >> INSPECTION END	
	В
	С
	D
	E
	F
	G
	SR
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## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

#### < DTC/CIRCUIT DIAGNOSIS >

## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621549

[COUPE]

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621550

INFOID:000000007621551

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self-Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-26. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

- NO >> Replace harness connectors.
- 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

 $\mathbf{3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>
- 2. Perform DTC confirmation procedure. Refer to SRC-26, "DTC Logic"

Is DTC detected?

## SRC-26

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT		
< DTC/CIRCUIT DIAGNOSIS >	[COUPE]	
YES >> GO TO 1. NO >> INSPECTION END		A
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## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

## < DTC/CIRCUIT DIAGNOSIS >

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621552

[COUPE]

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621553

INFOID-000000007621554

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- X Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-28, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-28. "DTC Logic"</u>

Is DTC detected?

## **SRC-28**

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT		
< DTC/CIRCUIT DIAGNOSIS >	[COUPE]	
YES >> GO TO 1. NO >> INSPECTION END		А
		В
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## B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

## < DTC/CIRCUIT DIAGNOSIS >

## B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

## Description

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System, and transmits malfunction information to air bag diagnosis sensor unit.

## DTC Logic

INFOID:000000007621556

INFOID:000000007621557

INFOID:000000007621555

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Occupant Classification System control unit is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in Occupant Classification System control unit</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.
- X Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-30</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Removal and Installation"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-30, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

## **SRC-30**

[COUPE]

## B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
NO >> INSPECTION END	
<b>4.</b> REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT	A
<ol> <li>Replace passenger seat cushion assembly. Refer to <u>SE-71, "Removal and Installation"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-30, "DTC Logic"</u>.</li> <li><u>Is DTC detected?</u></li> </ol>	В
YES >> GO TO 1.	
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## < DTC/CIRCUIT DIAGNOSIS >

## B1018 OCCUPANT SYSTEM SENSOR

## Description

Occupant Classification System sensor detects occupant in passenger seat and transmits it to Occupant Classification System control unit.

## DTC Logic

INFOID:000000007621559

INFOID:000000007621560

INFOID:000000007621558

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Occupant Classification System sensor is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in Occupant Classification System sensor</li> <li>Malfunction in Occupant Classification System control unit</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.
- X Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to SRC-32, "Diagnosis Procedure".
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Removal and Installation"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-32, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

## **SRC-32**

# **B1018 OCCUPANT SYSTEM SENSOR**

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
NO >> INSPECTION END	[0001 -]
4.REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT AND SENSOR	A
1. Replace passenger seat cushion assembly. Refer to <u>SE-71, "Removal and Installation"</u> .	
2. Perform DTC confirmation procedure. Refer to <u>SRC-32, "DTC Logic"</u> .	E
<u>Is DTC detected?</u> YES >> GO TO 1.	
NO >> INSPECTION END	C
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## **B1022 OCCUPANT SYSTEM CONTROL UNIT**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1022 OCCUPANT SYSTEM CONTROL UNIT

## Description

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System, and transmits malfunction information to air bag diagnosis sensor unit.

## DTC Logic

INFOID:000000007621562

INFOID:000000007621563

INFOID:000000007621561

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1022	OCCUPANT SENS C/U [COMM FAIL]	Malfunction occurs in Occupant Classifica- tion System control unit, circuit of Occupant Classification System control unit-Air bag diagnosis sensor unit, or Air bag diagnosis sensor unit	

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.

**Without CONSULT** 

- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>.

NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-34, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

**1.**CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

NO >> Replace wiring harness.

**3.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Removal and Installation"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-34, "DTC Logic".

Is DTC detected?

[COUPE]

B1022 OCCUPANT SYSTEM CONTROL UNIT		
< DTC/CIRCUIT DIAGNOSIS >	[COUPE]	
YES >> GO TO 4. NO >> INSPECTION END		А
4. CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT		
<ol> <li>Replace passenger seat cushion assembly. Refer to <u>SE-71, "Removal and Installation"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-34, "DTC Logic"</u>.</li> <li><u>Is DTC detected?</u></li> </ol>		В
YES >> GO TO 1. NO >> INSPECTION END		С
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## **B1023 PASSENGER AIR BAG OFF INDICATOR**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1023 PASSENGER AIR BAG OFF INDICATOR

## Description

Illuminates passenger air bag OFF indicator when the passenger seat is empty or occupied by a child or a child-seat.

## DTC Logic

INFOID:000000007621565

INFOID:000000007621566

INFOID:000000007621564

[COUPE]

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Passenger air bag OFF indicator circuit is open or shorted to ground or the cir- cuits are shorted each other	0

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-18, "Diagnosis with Air Bag Warning Lamp".

#### NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-36, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

**Diagnosis** Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

**1.**CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

**3.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to IP-14, "Exploded View".

2. Perform DTC confirmation procedure. Refer to SRC-36, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **B1023 PASSENGER AIR BAG OFF INDICATOR**

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DTC/CIRCUIT DIAGNOSIS >	[COUPE]
CHECK PASSENGER AIR BAG OFF INDICATOR	
Replace passenger air bag OFF indicator. Refer to <u>IP-14, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-36, "DTC Logic"</u> .	
DTC detected?	
ES >> GO TO 1. O >> INSPECTION END	

# B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

#### < DTC/CIRCUIT DIAGNOSIS >

# B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

### Description

Occupant Classification System sensor detects occupant in passenger seat and transmits it to Occupant Classification System control unit.

## DTC Logic

INFOID:000000007621568

INFOID:000000007621569

INFOID:000000007621567

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1025 B1032 B1048	OCS SENSOR	Malfunction occurs in Occupant Classifica- tion System control unit, circuit of Occupant Classification System control unit-Air bag diagnosis sensor unit, or Air bag diagnosis sensor unit	<ul> <li>Disconnection of wiring harness</li> <li>Internal breakdown in Occupant Classification System control unit</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

() With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-38. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

**1.**CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

- NO >> Replace harness connectors.
- 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

**3.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-38, "DTC Logic".

Is DTC detected?

## **SRC-38**

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR	
< DTC/CIRCUIT DIAGNOSIS > YES >> GO TO 4.	[COUPE]
NO >> INSPECTION END	
4. CHECK OCCUPANT DETECTION SYSTEM CONTROL UNIT	
<ol> <li>Replace passenger seat cushion assembly. Refer to <u>SE-71, "Removal and Installation"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-38, "DTC Logic"</u>.</li> <li><u>Is DTC detected?</u></li> </ol>	E
YES >> GO TO 1. NO >> INSPECTION END	(
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## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621570

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621571

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-40, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### **Diagnosis** Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# **3.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to SRC-40, "DTC Logic".

# SRC-40

INFOID:000000007621572

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	A
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# B1033, B1034 CRASH ZONE SENSOR

## Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

## DTC Logic

INFOID:000000007621574

INFOID:000000007621575

INFOID:000000007621573

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SENSOR [UNIT FAIL]	Crash zone sensor is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in crash zone sensor</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-42, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to <u>SRC-42, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

**4.**REPLACE CRASH ZONE SENSOR

B1033, B1034 CRASH ZONE SENSOR	
< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
<ol> <li>Replace crash zone sensor. Refer to <u>SR-26, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-42, "DTC Logic"</u>.</li> </ol>	A
Is DTC detected?	
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# B1035, B1036 CRASH ZONE SENSOR

## Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

## DTC Logic

INFOID:000000007621577

INFOID:000000007621578

INFOID:000000007621576

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1035 B1036	CRASH ZONE SEN- SOR [COMM FAIL] [UNMATCH]	Crash zone sensor is malfunctioning or out of the specified specification	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in crash zone sensor</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **(R)** Without CONSULT
- 1. Turn ignition switch ON.

 Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to SRC-44, "Diagnosis Procedure".
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-44, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1035, B1036 CRASH ZONE SENSOR	
< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
4.REPLACE CRASH ZONE SENSOR	Α
<ol> <li>Replace crash zone sensor. Refer to <u>SR-26, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-44, "DTC Logic"</u>.</li> </ol>	^
Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	В
NO >> INSPECTION END	С
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# B1037, B1039, B1041 CRASH ZONE SENSOR

## Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

# DTC Logic

INFOID:000000007621580

INFOID:000000007621581

INFOID:000000007621579

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1037 B1039 B1041	CRASH ZONE SENSOR1	Crash zone sensor is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in crash zone sensor</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-18, "Diagnosis with Air Bag Warning Lamp".

#### NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-46. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

**Diagnosis** Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-46, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

**4.**REPLACE CRASH ZONE SENSOR

# B1037, B1039, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]	
<ol> <li>Replace crash zone sensor. Refer to <u>SR-26, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-46, "DTC Logic"</u>.</li> </ol>		А
Is DTC detected?		
YES >> GO TO 1. NO >> INSPECTION END		В
		С
		D
		E
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		G
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## B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621582

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621583

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-48. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to SRC-48, "DTC Logic".

# SRC-48

INEOID:000000007621584

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< DTC/	/CIRCUIT DIAGNOSIS >	[COUPE]	
Is DTC	detected?		
YES NO	>> GO TO 1. >> INSPECTION END		А
			В

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# B1049, B1054 DRIVER AIR BAG MODULE

## Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621586

INFOID:000000007621587

INFOID:000000007621585

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-50, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ CHECK SPIRAL CABLE CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

# B1049, B1054 DRIVER AIR BAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)			
Connector	Terminal	Connector	Terminal	Continuity	
11200	10		28		
M302	11	-	30		
1004	12	M35	29	Existed	
M301	9		30		
For Mexico					
Driver air b	ag module	Combination sw	itch (spiral cable)	Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M302	10	M35	28	Existed	
101302	11	Wiso	30	LXISIEU	
Check continuity be	tween driver air bag n	nodule harness con	nector and ground.		
Except for Mexico					
Driver	side air bag module			Continuity	
Connector	Terminal			Continuity	
M302	10		Ground		
WIJUZ	11				
	12			Not existed	
M301	9				
For Mexico					
Driver	side air bag module			Continuity	
Connector	Terminal		Ground	Continuity	
M302	10			Not existed	
IVIJUZ	11				
ne inspection result r	normal?		l		
S >> GO TO 4.					
	mbination switch (spir		<u> R-17, "Exploded Vie</u>	<u>ew"</u> .	
REPLACE AIR BAG	DIAGNOSIS SENSO	R UNIT			
Replace air bag dia	gnosis sensor unit. Re	efer to <u>SR-30, "COU</u>	JPE : Exploded View	<u>/"</u>	
Perform DTC confir	mation procedure. Re	fer to <u>SRC-50, "DT(</u>	<u>C Logic"</u> .		
DTC detected?					
ES >> GO TO 5.					
O >> INSPECTIO					
REPLACE DRIVER	AIR BAG MODULE				
	ag module.Refer to S				
	mation procedure. Re	ter to <u>SRC-50, "DT(</u>	<u>C Logic"</u> .		
DTC detected?					
ES >> GO TO 1. O >> INSPECTIO					

# B1050, B1055 DRIVER AIR BAG MODULE

## Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621589

INFOID:000000007621590

INFOID:000000007621588

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-52, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

## SRC-52

# B1050, B1055 DRIVER AIR BAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)			
Connector	Terminal	Connector	Terminal	Continuity	
	10	28			
M302	11	1405	30		
	12	M35	29	Existed	
M301	9		30		
For Mexico					
Driver air l	bag module	Combination sv	witch (spiral cable)	Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M202	10	M35	28	Existed	
M302	11	IVISO	30	Existed	
Check continuity be	etween driver air bag	module harness cor	nnector and ground.		
Except for Mexico					
Driver	side air bag module			Continuity	
Connector	Termina	al		Continuity	
M302	10		Ground		
101302	11				
14204	12			Not existed	
M301	9				
For Mexico					
Driver	side air bag module			Continuity	
Connector	Termina	al	Ground	Continuity	
M302	10		Giouna	Not existed	
101302	11				
the inspection result	normal?				
'ES >> GO TO 4.					
•	ombination switch (spi		SR-17, "Exploded View	<u>ew"</u> .	
.REPLACE AIR BAG	DIAGNOSIS SENSO	DR UNIT			
Replace air bag dia	agnosis sensor unit. F	Refer to <u>SR-30, "CO</u>	UPE : Exploded View	<u>v"</u>	
	rmation procedure. R	efer to <u>SRC-52, "DT</u>	<u>'C Logic"</u> .		
DTC detected?					
YES >> GO TO 5.					
NO >> INSPECTION					
.REPLACE DRIVER	AIR BAG MODULE				
	bag module. Refer to				
	rmation procedure. R	eter to <u>SRC-52, "DT</u>	<u>C Logic"</u> .		
DTC detected?					
YES >> GO TO 1. NO >> INSPECTIO					

# B1051, B1056 DRIVER AIR BAG MODULE

## Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621592

INFOID:000000007621593

INFOID:000000007621591

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-54, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ CHECK SPIRAL CABLE CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

# B1051, B1056 DRIVER AIR BAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		
Connector	Terminal	Connector	Terminal	Continuity
	10		28	
M302	11	105	30	
	12	M35	29	Existed
M301	9		30	
For Mexico				
Driver air I	bag module	Combination s	switch (spiral cable)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M302	10	M35	28	Existed
	11	Moo	30	Existed
Check continuity b	etween driver air bag	module harness co	onnector and ground.	
Except for Mexico				
	side air bag module			Continuity
Connector	Termina	al		,,
M302	10		Ground	
	11			Not existed
M301	12			
	9			
For Mexico				
	side air bag module			Continuity
Connector	Termina		Ground	
M302	10			
the inspection result	11			
REPLACE AIR BAG	ombination switch (spi B DIAGNOSIS SENSC agnosis sensor unit. F	DR UNIT		
. Perform DTC confi <u>DTC detected?</u> YES >> GO TO 5. NO >> INSPECTION	rmation procedure. R ON END			
REPLACE DRIVER	AIR BAG MODULE			
Perform DTC confi DTC detected? YES >> GO TO 1.	bag module. Refer to rmation procedure. R			
NO >> INSPECTI				

# B1052, B1057 DRIVER AIR BAG MODULE

## Description

INFOID:000000007621594

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621595

INFOID:000000007621596

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-56, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ CHECK SPIRAL CABLE CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

## **SRC-56**

# B1052, B1057 DRIVER AIR BAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

	Driver air bag module		Combination switch (spiral cable)		
Connector	Terminal	Connector	Terminal	- Continuity	
	10	28			
M302	11		30	Existed	
	12	M35	29		
M301	9		30		
For Mexico			1		
Driver air I	bag module	Combination sw	vitch (spiral cable)	Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M302	10	M35	28	Existed	
1002	11	Widd	30	Existed	
Check continuity be	etween driver air bag r	nodule harness con	nector and ground.		
Except for Mexico					
Driver	side air bag module			Continuity	
Connector	Termina	l		Continuity	
M302	10		Ground		
1002	11			Not existed	
M301	12				
	9				
For Mexico					
Driver	side air bag module				
Connector	Termina		Ground	Continuity	
M302	10				
	11				
REPLACE AIR BAG	ombination switch (spir DIAGNOSIS SENSO agnosis sensor unit. R rmation procedure. Re	R UNIT efer to <u>SR-30, "COL</u>	JPE : Exploded Viev		
S >> GO TO 5. >> INSPECTIO	ON END AIR BAG MODULE				
REPLACE DRIVER					

### B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

# B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621597

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621598

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-58. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# **3.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to SRC-58, "DTC Logic".

# **SRC-58**

INEOID:000000007621599

## B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT [COUPE]

NOSIS >

<u>Is DTC</u>	detected?	
YES NO	>> GO TO 1. >> INSPECTION END	A
		В
		С
		D
		E

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## B1065, B1070 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

# B1065, B1070 PASSENGER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621601

INFOID:000000007621602

INFOID:000000007621600

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18</u>, "Diagnosis with Air Bag Warning Lamp". **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-60, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-60, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# B1065, B1070 PASSENGER AIR BAG MODULE

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DTC/CIRCUIT DIAGNOSIS >	[COUPE]
REPLACE FRONT PASSENGER AIR BAG MODULE	
Replace front passenger air bag module. Refer to <u>SR-20, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-60, "DTC Logic"</u> .	
DTC detected? ES >> GO TO 1.	
ES >> GO TO 1. O >> INSPECTION END	

## B1066, B1071 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

# B1066, B1071 PASSENGER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621604

### DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18</u>, "Diagnosis with Air Bag Warning Lamp". **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-62, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-62, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

INFOID:000000007621605

[COUPE]

INFOID:000000007621603

# B1066, B1071 PASSENGER AIR BAG MODULE

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< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
<b>4.</b> REPLACE FRONT PASSENGER AIR BAG MODULE	
<ol> <li>Replace front passenger air bag module. Refer to <u>SR-20, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-62, "DTC Logic"</u>.</li> </ol>	
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	
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## B1067, B1072 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

# B1067, B1072 PASSENGER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621607

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-64, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-64, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

INFOID:000000007621608

INFOID:000000007621606

# B1067, B1072 PASSENGER AIR BAG MODULE

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[COUPE]	L
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[COUPE]

## B1068, B1073 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

# B1068, B1073 PASSENGER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621610

INFOID:000000007621611

INFOID:000000007621609

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18</u>, "Diagnosis with Air Bag Warning Lamp". **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-66, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-66, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### **SRC-66**

# B1068, B1073 PASSENGER AIR BAG MODULE

## B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

# B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621612

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621613

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- (I) Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-68. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### **Diagnosis** Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to SRC-68, "DTC Logic".

# **SRC-68**

INFOID:00000007621614

### B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT [COUPE]

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	A
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# B1080, B1096 DRIVER AIR BAG MODULE

## Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621616

INFOID:000000007621617

INFOID:000000007621615

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-70, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

## **SRC-70**

# B1080, B1096 DRIVER AIR BAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

Except for Mexico Driver air bag module		Combination switch (spiral cable)			
Connector	Terminal	Connector	Terminal	Continuity	
	10		28		
M302	11		30		
	12	M35	29	Existed	
M301	M301 9		30	-	
For Mexico			L		
Driver air	Driver air bag module		Combination switch (spiral cable)		
Connector	Terminal	Connector	Terminal	Continuity	
M302	10	M35	28	Existed	
101302	11	IVISS	30	Existed	
Check continuity b	between driver air bag r	nodule harness con	nector and ground.		
Except for Mexico	-		-		
	r side air bag module			Continuity	
Connector	Terminal			Continuity	
	10		Cround		
M302	11		Ground	Not over a	
	12			Not existed	
M301	9				
For Mexico		L	L		
Drive	r side air bag module			Continuity	
Connector	Terminal		Cround	Continuity	
Maaa	10		Ground		
M302	11			Not existed	
he inspection result	normal?	1			
ES >> GO TO 4.					
	ombination switch (spir		R-17, "Exploded View	<u>ew"</u> .	
REPLACE AIR BAG	G DIAGNOSIS SENSO	R UNIT			
Replace air bag di	agnosis sensor unit. R	efer to <u>SR-30, "C</u> OU	IPE : Exploded View	<u>v"</u>	
	irmation procedure. Re				
DTC detected?					
ES >> GO TO 5.					
IO >> INSPECTI					
REPLACE DRIVER	AIR BAG MODULE				
	bag module. Refer to Sirmation procedure. Re				
DTC detected?			<u> </u>		
/ES >> GO TO 1.					
NO >> INSPECT	ION END				

# B1081 SEAT BELT PRE-TENSIONER RH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621619

INFOID:000000007621620

INFOID:000000007621618

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-72, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

### ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-72, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **B1081 SEAT BELT PRE-TENSIONER RH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

4.REPLACE SEAT BELT PRE-TENSIONER	A
<ol> <li>Replace seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-72, "DTC Logic"</u>.</li> </ol>	A
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
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# B1082 SEAT BELT PRE-TENSIONER RH

# Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621622

INFOID:000000007621621

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-74, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-74, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-74

INFOID:000000007621623

# **B1082 SEAT BELT PRE-TENSIONER RH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

<b>4.</b> REF	PLACE SEAT BELT PRE-TENSIONER	A
1. Re 2. Pe	eplace seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Exploded View"</u> . erform DTC confirmation procedure. Refer to <u>SRC-74, "DTC Logic"</u> .	^
<u>Is DTC</u>	detected?	В
YES NO	>> GO TO 1. >> INSPECTION END	
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# B1083 SEAT BELT PRE-TENSIONER RH

# Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621625

INFOID:000000007621626

INFOID:000000007621624

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-76, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-76, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **B1083 SEAT BELT PRE-TENSIONER RH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

4.REPLACE SEAT BELT PRE-TENSIONER	A
<ol> <li>Replace seat belt pre-tensioner RH. Refer to <u>SB-8. "SEAT BELT RETRACTOR : Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-76. "DTC Logic"</u>.</li> </ol>	
<u>Is DTC detected?</u> YES >> GO TO 1.	В
NO >> INSPECTION END	
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# B1084 SEAT BELT PRE-TENSIONER RH

# Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621628

INFOID:000000007621629

INFOID:000000007621627

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-78, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

# Diagnosis Procedure

### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-78, "DTC Logic"</u>.

### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **B1084 SEAT BELT PRE-TENSIONER RH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

4.REPLACE SEAT BELT PRE-TENSIONER	A
<ol> <li>Replace seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-78, "DTC Logic"</u>.</li> </ol>	
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
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# B1086 SEAT BELT PRE-TENSIONER LH

# Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621631

INFOID:000000007621632

INFOID:000000007621630

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

# DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-80, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

# Diagnosis Procedure

### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-80, "DTC Logic"</u>.

### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **SRC-80**

# **B1086 SEAT BELT PRE-TENSIONER LH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

<b>4.</b> REPLACE SEAT BELT PRE-TENSIONER	A
<ol> <li>Replace seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-80, "DTC Logic"</u>.</li> </ol>	^
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
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# B1087 SEAT BELT PRE-TENSIONER LH

# Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621634

INFOID:000000007621635

INFOID:000000007621633

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-82, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

# Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-82, "DTC Logic"</u>.

### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **B1087 SEAT BELT PRE-TENSIONER LH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

<b>4.</b> REF	PLACE SEAT BELT PRE-TENSIONER	A
1. Re 2. Pe	place seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Exploded View"</u> . rform DTC confirmation procedure. Refer to <u>SRC-82, "DTC Logic"</u> .	
<u>Is DTC</u>	detected?	В
YES NO	>> GO TO 1. >> INSPECTION END	
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# B1088 SEAT BELT PRE-TENSIONER LH

# Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621637

INFOID:000000007621638

INFOID:000000007621636

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-84, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-84, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **B1088 SEAT BELT PRE-TENSIONER LH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

4.REPLACE SEAT BELT PRE-TENSIONER	A
<ol> <li>Replace seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-84, "DTC Logic"</u>.</li> </ol>	
Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	В
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# B1089 SEAT BELT PRE-TENSIONER LH

# Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

# DTC Logic

INFOID:000000007621640

INFOID:000000007621641

INFOID:000000007621639

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-86, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-86, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **B1089 SEAT BELT PRE-TENSIONER LH**

# < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

<b>4.</b> REPLACE SEAT BELT PRE-TENSIONER	A
<ol> <li>Replace seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Exploded V</u></li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-86, "DTC Logic"</u>.</li> </ol>	<u>/iew"</u> .
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
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# B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

# B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

# Description

INFOID:000000007621642

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621643

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1090 B1091 B1092 B1093 B0194 B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

# DTC CONFIRMATION PROCEDURE

# **1.**CHECK SELF-DIAG RESULT

### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-88. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

# 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-88, "DTC Logic".

# **SRC-88**

INFOID:000000007621644

# B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT C/CIRCUIT DIAGNOSIS > [COUPE]

< DTC/CIRCUIT DIAGNOSIS >				
Is DTC	detected?			
YES	>> GO TO 1.			
NO	>> INSPECTION END			

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# B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

# B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

# Description

INFOID:000000007621645

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621646

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

# DTC CONFIRMATION PROCEDURE

# **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-90, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### **Diagnosis** Procedure

### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

# 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# $\mathbf{3}$ .replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to SRC-90, "DTC Logic".

# **SRC-90**

INFOID-00000007621647

### B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT [COUPE]

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT		
< DTC/	/CIRCUIT DIAGNOSIS >	[COUPE]
<u>Is DTC</u>	detected?	
YES	>> GO TO 1.	A
NO	>> INSPECTION END	
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# B1113, B1114 SATELLITE SENSOR RH

# Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# DTC Logic

INFOID:000000007621649

INFOID:000000007621650

INFOID:000000007621648

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to SRC-92, "Diagnosis Procedure".
- NO >> INSPECTION END

### Diagnosis Procedure

### WARNING:

• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

• Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-92, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.REPLACE SATELLITE SENSOR	A
<ol> <li>Replace satellite sensor RH. Refer to <u>SR-28, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-92, "DTC Logic"</u>.</li> </ol>	^
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
NO >> INSPECTION END	С
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# B1115, B1116 SATELLITE SENSOR RH

# Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# DTC Logic

INFOID:000000007621652

INFOID:000000007621653

INFOID:000000007621651

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	Satellite sensor RH is malfunctioning or out of the specified specification	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-94, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-94, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### **SRC-94**

< DTC/CIRCUIT DIAGNOSIS > [COUP	
4.REPLACE SATELLITE SENSOR	A
<ol> <li>Replace satellite sensor RH. Refer to <u>SR-28, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-94, "DTC Lo</u></li> </ol>	
Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	E
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# B1118, B1119 SATELLITE SENSOR LH

# Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# DTC Logic

INFOID:000000007621655

INFOID:000000007621656

INFOID:000000007621654

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-96, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-28, "Exploded View"</u>.
- Perform DTC confirmation procedure. Refer to <u>SRC-96, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

[COUPF]

< DTC/CIRCUIT DIAGNOSIS >	[COUFE]
4.REPLACE SATELLITE SENSOR	A
<ol> <li>Replace satellite sensor LH. Refer to <u>SR-28, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-96, "DTC Logic"</u></li> </ol>	A
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	_
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# B1120, B1121 SATELLITE SENSOR LH

# Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# DTC Logic

INFOID:000000007621658

INFOID-00000007621659

INFOID:000000007621657

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	Satellite sensor LH is malfunctioning or out of the specified specification	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

 Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to SRC-98, "Diagnosis Procedure".
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-98, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS > [C	
4.REPLACE SATELLITE SENSOR	Α
<ol> <li>Replace satellite sensor LH. Refer to <u>SR-28, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-98, "DTC Logic"</u>.</li> </ol>	A
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
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# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

# Description

INFOID:000000007621660

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621661

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

# DTC CONFIRMATION PROCEDURE

### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-100, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000007621662

### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-100, "DTC Logic"</u>.

# SRC-100

# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	A
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# B1129 SIDE AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621664

INFOID-000000007621665

INFOID:000000007621663

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status.<u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u> **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-102</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-102, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-102

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
<b>4.</b> REPLACE SIDE AIR BAG MODULE	
<ol> <li>Replace side air bag module RH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-102, "DTC Logic"</u>.</li> </ol>	
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	
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# B1130 SIDE AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621667

INFOID:000000007621668

INFOID:000000007621666

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-104</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-104, "DTC Logic".

### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-104

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
4.REPLACE SIDE AIR BAG MODULE	Α
<ol> <li>Replace side air bag module RH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-104, "DTC Logic"</u>.</li> </ol>	A
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
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# B1131 SIDE AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC Logic**

INFOID:000000007621670

INFOID:000000007621671

INFOID:000000007621669

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

### ()With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-106, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

# Diagnosis Procedure

### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-106, "DTC Logic".

### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-106

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
<b>4.</b> REPLACE SIDE AIR BAG MODULE	
<ol> <li>Replace side air bag module RH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-106, "DTC Logic"</u>.</li> </ol>	
<u>Is DTC detected?</u> YES >> GO TO 1.	
NO >> INSPECTION END	
	I

# B1132 SIDE AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC Logic**

INFOID:000000007621673

INFOID-000000007621674

INFOID:000000007621672

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are short- ed to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

### ()With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-108</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

### Diagnosis Procedure

### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-108, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# **SRC-108**

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
<b>4.</b> REPLACE SIDE AIR BAG MODULE	
<ol> <li>Replace side air bag module RH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-108, "DTC Logic"</u>.</li> </ol>	
<u>Is DTC detected?</u> YES >> GO TO 1.	
NO >> INSPECTION END	

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## B1134 SIDE AIR BAG MODULE LH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621676

INFOID:000000007621677

INFOID:000000007621675

#### DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### ()With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to SRC-110, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-110, "DTC Logic".

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 

DTC/CIRCUIT DIAGNOSIS >	[COUPE]
REPLACE SIDE AIR BAG MODULE	
<ul> <li>Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-110, "DTC Logic"</u>.</li> </ul>	
s DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	

## B1135 SIDE AIR BAG MODULE LH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621679

INFOID:000000007621680

INFOID:000000007621678

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (D)With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-112, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-112, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
<b>4.</b> REPLACE SIDE AIR BAG MODULE	
<ol> <li>Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-112, "DTC Logic"</u>.</li> </ol>	
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	

## B1136 SIDE AIR BAG MODULE LH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621682

INFOID:000000007621683

INFOID:000000007621681

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (D) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-114</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-114, "DTC Logic".

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### SRC-114

[COUPE]

## 

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
<b>4.</b> REPLACE SIDE AIR BAG MODULE	
<ol> <li>Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-114, "DTC Logic"</u>.</li> </ol>	
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	

## B1137 SIDE AIR BAG MODULE LH

### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621685

INFOID:000000007621686

INFOID:000000007621684

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (D)With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-116, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-116, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 

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REPLACE SIDE AIR BAG MODULE	
<ul> <li>Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-116, "DTC Logic"</u>.</li> </ul>	
<u>s DTC detected?</u>	
YES >> GO TO 1. NO >> INSPECTION END	

## B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

## B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

#### Description

INFOID:000000007621687

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621688

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

#### With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-118, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### **Diagnosis** Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

- NO >> Replace harness connectors.
- 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

**3.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-118. "DTC Logic".

Is DTC detected?

## SRC-118

INFOID:000000007621689

	B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]			
YES NO	>> GO TO 1. >> INSPECTION	END	A	
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## B1144 DIAGNOSIS SENSOR UNIT

### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621691

INFOID-000000007621692

INFOID:000000007621690

#### DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1144	Diagnosis sensor unit	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul> <li>Malfunction in air bag diagnosis sensor unit</li> <li>Configuration in air bag diagnosis sensor unit does not match the vehicles specification</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-120, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

• Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-120, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

## B1145 CURTAIN AIR BAG MODULE RH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621694

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in side curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
DTC C	ONFIRMATION PRO	DCEDURE	
<b>1.</b> CHE	CK SELF-DIAG RESU	ILT	
	CONSULT		
	n ignition switch ON. form "AIR BAG" Self E	Diagnostic Result.	
<b>With</b>	out CONSULT		
	n ignition switch ON. eck the air bag warning	g lamp status. Refer to SRC-18, "Dia	agnosis with Air Bag Warning Lamp".
NOTE:	-		
	inctioning part detected	osis mode if no malfunction is detec d?	
YES	>> Refer to <u>SRC-121</u>	, "Diagnosis Procedure".	
NO	>> INSPECTION EN	D	
Diagn	osis Procedure		INFOID:00000007621695
WARNI	NG:		
		ition switch OFF, disconnect batte harge backup capacitor.)	ery negative terminal, and wait at least 3
		ter or other measuring device.	
<b>1.</b> CHE	CK HARNESS CONN	ECTOR	
	he harness connector.		
	ispection result normal >> GO TO 2.	<u> ?</u>	
YES NO	>> Replace harness	connector.	
2.сне	CK WIRING HARNES	S	
Check t	he wiring harness exte	ernals.	
	spection result normal	1?	
YES NO	>> GO TO 3. >> Replace wiring ha	imess	
		NOSIS SENSOR UNIT	
		s sensor unit. Refer to <u>SR-30, "COU</u>	PE : Exploded View".
2. Per	form DTC confirmation	n procedure. Refer to <u>SRC-121, "DT</u>	C Logic".
	detected?		
YES	>> GO TO 4.	2	

NO >> INSPECTION END

## SRC-121

INFOID:000000007621693

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[COUPE]

# 4. REPLACE CURTAIN AIR BAG MODULE

Replace curtain air bag module RH. Refer to <u>SE-67, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-121, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1146 CURTAIN AIR BAG MODULE RH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC** Logic

INFOID:000000007621697

INFOID:000000007621696

#### DTC DETECTION LOGIC

				D
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CC	NFIRMATION PRO	CEDURE		F
<b>1.</b> CHEC	CK SELF-DIAG RESU	_T		
1. Turn 2. Perfe	CONSULT i ignition switch ON. orm "AIR BAG" Self Di ut CONSULT	agnostic Result.		G
1. Turn	ignition switch ON.			SR
2. Che NOTE:	ck the air bag warning	lamp status. Refer to SRC-18, "D	Diagnosis with Air Bag Warning Lamp".	
-	es not enter the diagno	sis mode if no malfunction is dete	ected in the user mode.	I
	nctioning part detected			
	>> Refer to <u>SRC-123,</u> >> INSPECTION END	<u>"Diagnosis Procedure"</u> .		J
				0
Diagno	sis Procedure		INFOID:00000007621698	
WARNIN	IG:			Κ
			ttery negative terminal, and wait at least 3	
		arge backup capacitor.) er or other measuring device.		L
	CK HARNESS CONNE	•		
Check th	e harness connector.			M
	spection result normal?	-		IVI
	>> GO TO 2.			
~	>> Replace harness c			Ν
Z.CHEC	CK WIRING HARNESS	3		
	e wiring harness exter			0
	spection result normal?	-		0
	>> GO TO 3. >> Replace wiring har	ness.		
-	ACE AIR BAG DIAGN			Ρ
		sensor unit. Refer to <u>SR-30, "CO</u>	LIPE · Exploded View"	
		procedure. Refer to <u>SRC-123, "D</u>		
<u>ls DTC d</u>	letected?			
YES	>> GO TO 4.	<b>N</b>		

NO >> INSPECTION END

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[COUPE]

# 4. REPLACE CURTAIN AIR BAG MODULE

Replace curtain air bag module RH. Refer to <u>SE-67, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-123, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1147 CURTAIN AIR BAG MODULE RH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC detecting condition

## **DTC** Logic

DTC

INFOID:000000007621700

Possible cause

#### DTC DETECTION LOGIC

Display contents of

DIC	CONSULT	Die detecting condition	i ossible cause	
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Ε
DTC CO	ONFIRMATION PR	OCEDURE		F
<b>1.</b> CHE	CK SELF-DIAG RES	ULT		
1. Turi	CONSULT n ignition switch ON.			G
	form "AIR BAG" Self	Diagnostic Result.		
	out CONSULT n ignition switch ON.			SRC
	eck the air bag warnir	ng lamp status. Refer to <u>SRC-18, "Diac</u>	<u>gnosis with Air Bag Warning Lamp"</u> .	
NOTE: SRS do	es not enter the diag	nosis mode if no malfunction is detected	ed in the user mode.	
	nctioning part detected			1
YES		5, "Diagnosis Procedure".		
NO	>> INSPECTION EN	ND		J
Diagno	osis Procedure		INFOID:00000007621701	
minut • Never	e servicing, turn igr es or more. (To disc use unspecified te	charge backup capacitor.) ster or other measuring device.	ry negative terminal, and wait at least 3	K
	CK HARNESS CON			
	he harness connecto			M
<u>Is the in</u> YES	spection result norma >> GO TO 2.	al?		
NO	>> Replace harness	s connector.		Ν
<b>2.</b> СНЕ	CK WIRING HARNE	SS		IN
Check t	he wiring harness ext	ternals.		
<u>Is the in</u>	spection result norma	al?		0
YES	>> GO TO 3.			
	>> Replace wiring h	GNOSIS SENSOR UNIT		Ρ
		is sensor unit. Refer to <u>SR-30, "COUP</u> on procedure. Refer to <u>SRC-125, "DTC</u>		
	detected?			
YES	>> GO TO 4.			

NO >> INSPECTION END

INFOID:000000007621699

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[COUPE]

# 4. REPLACE CURTAIN AIR BAG MODULE

Replace curtain air bag module RH. Refer to <u>SE-67, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-125, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1148 CURTAIN AIR BAG MODULE RH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC** Logic

INFOID:000000007621703

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
	DNFIRMATION PRO		
	CK SELF-DIAG RESU		
I. Turr	n ignition switch ON.		
	form "AIR BAG" Self D	iagnostic Result.	
	out CONSULT		
2. Che		lamp status. Refer to <u>SRC-18, "Diagn</u>	osis with Air Bag Warning Lamp".
NOTE: SRS doe	es not enter the diagno	osis mode if no malfunction is detected	in the user mode.
	nctioning part detected		
YES		, "Diagnosis Procedure".	
NO	>> INSPECTION ENI	0	
Diagno	osis Procedure		INF0ID:000000007621704
VARNI			
	-	tion switch OFF, disconnect battery	negative terminal, and wait at least 3
		arge backup capacitor.)	-
4	CK HARNESS CONN	er or other measuring device.	
		ECTOR	
эпеск и	he harness connector.		
s the in	spection result normal	2	
	spection result normal	?	
<u>s the in</u> YES NO	spection result normal >> GO TO 2. >> Replace harness of		
YES NO	>> GO TO 2.	connector.	
YES NO 2.CHE	>> GO TO 2. >> Replace harness of	connector. S	
YES NO 2.CHE	>> GO TO 2. >> Replace harness of CK WIRING HARNES	connector. S rnals.	
YES NO 2.CHE Check th s the ins YES	>> GO TO 2. >> Replace harness of CK WIRING HARNES he wiring harness exte spection result normal >> GO TO 3.	connector. S rnals. <u>?</u>	
YES NO 2.CHE Check th Is the in: YES NO	>> GO TO 2. >> Replace harness of CK WIRING HARNES he wiring harness exte spection result normal >> GO TO 3. >> Replace wiring ha	connector. S rnals. <u>?</u> rness.	
YES NO 2.CHEO Check th Is the ins YES NO 3.REPI	>> GO TO 2. >> Replace harness of CK WIRING HARNES he wiring harness exte spection result normal >> GO TO 3. >> Replace wiring ha LACE AIR BAG DIAGN	connector. S rnals. ? rness. NOSIS SENSOR UNIT	
YES NO 2.CHE0 Check the Is the ins YES NO 3.REPI 1. Rep	>> GO TO 2. >> Replace harness of CK WIRING HARNES he wiring harness exte <u>spection result normal</u> >> GO TO 3. >> Replace wiring ha LACE AIR BAG DIAGN place air bag diagnosis	connector. S rnals. <u>?</u> rness. NOSIS SENSOR UNIT sensor unit. Refer to <u>SR-30, "COUPE</u>	
YES NO 2.CHE Check th Is the ins YES NO 3.REPI 1. Rep 2. Perf	>> GO TO 2. >> Replace harness of CK WIRING HARNES he wiring harness exte <u>spection result normal</u> >> GO TO 3. >> Replace wiring ha LACE AIR BAG DIAGN place air bag diagnosis	connector. S rnals. ? rness. NOSIS SENSOR UNIT	

NO >> INSPECTION END

INFOID:000000007621702

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[COUPE]

# 4. REPLACE CURTAIN AIR BAG MODULE

Replace curtain air bag module RH. Refer to <u>SE-67, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-127, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

#### **B1150 CURTAIN AIR BAG MODULE LH**

#### < DTC/CIRCUIT DIAGNOSIS >

## **B1150 CURTAIN AIR BAG MODULE LH**

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC** Logic

С INFOID:000000007621706

INFOID:000000007621705

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
	ONFIRMATION PRO	DCEDURE	
	CK SELF-DIAG RESU		
 ͡͡͡͡͡ With (	CONSULT		
1. Turi	n ignition switch ON.		
	form "AIR BAG" Self [ out CONSULT	Diagnostic Result.	
	n ignition switch ON.		
	eck the air bag warning	g lamp status. Refer to <u>SRC-18, "Dia</u>	gnosis with Air Bag Warning Lamp".
NOTE: SRS do	es not enter the diagn	osis mode if no malfunction is detect	ed in the user mode.
	nctioning part detecte		
YES		9, "Diagnosis Procedure".	
NO	>> INSPECTION EN	iD	
Diagno	osis Procedure		INFOID:00000007621707
WARNII			
	-	ition switch OFF, disconnect batte	ery negative terminal, and wait at least 3
minut	es or more. (To disc	harge backup capacitor.) ster or other measuring device.	
	CK HARNESS CONN	•	
I.CHE		ECTAD	
	he harness connector.		
<u>Is the in</u>	he harness connector. spection result norma		
	he harness connector.	<u>I?</u>	
<u>ls the in</u> YES NO	he harness connector. spection result norma >> GO TO 2.	<u>I?</u> connector.	
I <u>s the in</u> YES NO <b>2.</b> CHE	he harness connector. spection result norma >> GO TO 2. >> Replace harness	<u>I?</u> connector. SS	
Is the in YES NO 2.CHE Check th	he harness connector. spection result norma >> GO TO 2. >> Replace harness CK WIRING HARNES	<u>I?</u> connector. SS ernals.	
Is the in YES NO 2.CHE Check the in YES	he harness connector. <u>spection result norma</u> >> GO TO 2. >> Replace harness CK WIRING HARNES he wiring harness exte <u>spection result norma</u> >> GO TO 3.	<u>I?</u> connector. SS ernals. <u>I?</u>	
Is the in YES NO 2.CHE Check the Is the in YES NO	he harness connector. <u>spection result norma</u> >> GO TO 2. >> Replace harness CK WIRING HARNES he wiring harness exte <u>spection result norma</u> >> GO TO 3. >> Replace wiring ha	<u>I?</u> connector. SS ernals. <u>I?</u> arness.	
Is the in YES NO 2.CHE Check the Is the in YES NO 3.REP	he harness connector. <u>spection result norma</u> >> GO TO 2. >> Replace harness CK WIRING HARNES he wiring harness exte <u>spection result norma</u> >> GO TO 3. >> Replace wiring ha LACE AIR BAG DIAG	I? connector. SS ernals. I? arness. NOSIS SENSOR UNIT	
Is the in YES NO 2.CHE Check the Is the in YES NO 3.REP 1. Rep	he harness connector. <u>spection result norma</u> >> GO TO 2. >> Replace harness CK WIRING HARNES he wiring harness exter <u>spection result norma</u> >> GO TO 3. >> Replace wiring har LACE AIR BAG DIAG place air bag diagnosis	I? connector. SS ernals. I? arness. NOSIS SENSOR UNIT s sensor unit. Refer to <u>SR-30. "COUF</u>	
Is the in YES NO 2.CHE Check the is the in YES NO 3.REPI 1. Rep 2. Per	he harness connector. <u>spection result norma</u> >> GO TO 2. >> Replace harness CK WIRING HARNES he wiring harness exter <u>spection result norma</u> >> GO TO 3. >> Replace wiring har LACE AIR BAG DIAG place air bag diagnosis	I? connector. SS ernals. I? arness. NOSIS SENSOR UNIT	

NO >> INSPECTION END

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[COUPE]

# 4.REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-67, "Exploded View"</u>
   Perform DTC confirmation procedure. Refer to <u>SRC-129, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

### **B1151 CURTAIN AIR BAG MODULE LH**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1151 CURTAIN AIR BAG MODULE LH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC** Logic

INFOID:000000007621709

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
	<b>ONFIRMATION PRO</b>	CEDURE	
1.снес	CK SELF-DIAG RESU	LT	
M/ith (	CONSULT		
1. Turn	ignition switch ON.		
	orm "AIR BAG" Self Di	iagnostic Result.	
	ut CONSULT		
2. Che		lamp status. Refer to SRC-18, "Diag	nosis with Air Bag Warning Lamp".
NOTE:	a not optor the diagon	nia mada if na malfunation in datasta	d in the upper mode
	nctioning part detected	sis mode if no malfunction is detecte	a in the user mode.
YES		"Diagnosis Procedure".	
NO	>> INSPECTION END		
Diagno	sis Procedure		INFOID:00000007621710
WARNIN	-		
		arge backup capacitor.)	y negative terminal, and wait at least 3
		er or other measuring device.	
1.снес	CK HARNESS CONNE	ECTOR	
Check th	he harness connector.		
<u>s the ins</u>	spection result normal?	2	
YES	>> GO TO 2.		
NO Daula	>> Replace harness o		
	CK WIRING HARNES		
	ne wiring harness exter		
	spection result normal?	2	
YES NO	>> GO TO 3. >> Replace wiring har	70655	
-		IOSIS SENSOR UNIT	
		sensor unit. Refer to <u>SR-30, "COUPI</u> procedure. Refer to <u>SRC-131, "DTC</u>	
	letected?	procedure. Neler to <u>one-151, DTC</u>	Logic .
YES	>> GO TO 4.		

NO >> INSPECTION END

INFOID:000000007621708

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[COUPE]

# 4.REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-67, "Exploded View"</u>
   Perform DTC confirmation procedure. Refer to <u>SRC-131, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

## B1152 CURTAIN AIR BAG MODULE LH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC** Logic

INFOID:000000007621712

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CC	NFIRMATION PRO	CEDURE		F
<b>1.</b> CHEC	CK SELF-DIAG RESU	LT		
1. Turn 2. Perf	CONSULT i ignition switch ON. orm "AIR BAG" Self Di	agnostic Result.		G
1. Turn	ut CONSULT i ignition switch ON. ck the air bag warning	lamp status. Refer to SRC-18, "Diac		SR
	-	sis mode if no malfunction is detecte	ed in the user mode.	
<u>Is malfur</u> YES NO	<u>nctioning part detected</u> > Refer to <u>SRC-133,</u> > INSPECTION END	"Diagnosis Procedure".		J
Diagno	sis Procedure		INFOID:00000007621713	
				Κ
minute	e servicing, turn ignit es or more. (To disch	ion switch OFF, disconnect batte arge backup capacitor.) er or other measuring device.	ry negative terminal, and wait at least 3	L
<b>1.</b> CHEC	CK HARNESS CONNE	ECTOR		
Is the ins	he harness connector.	2		M
YES NO	>> GO TO 2. >> Replace harness c	connector.		Ν
2.снес	CK WIRING HARNESS			IN
Check th	e wiring harness exter	mals.		
	spection result normal?	2		0
YES NO	>> GO TO 3. >> Replace wiring har	ness		
•	ACE AIR BAG DIAGN			Ρ
1. Rep 2. Perf	lace air bag diagnosis	sensor unit. Refer to <u>SR-30, "COUP</u> procedure. Refer to <u>SRC-133, "DTC</u>	E : Exploded View". 2 Logic".	
YES	>> GO TO 4.			

NO >> INSPECTION END

INFOID:000000007621711

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[COUPE]

# 4.REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-67, "Exploded View"</u>
   Perform DTC confirmation procedure. Refer to <u>SRC-133, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

## B1153 CURTAIN AIR BAG MODULE LH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621715

#### DTC DETECTION LOGIC

		1		
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	
отс сс	CONSULT         Curtain air bag module LH circuits are shorted to each other         Disconnection of wiring harness and short to each other         Disconnection of wiring harness and short         E           1153         LH + LH + LH + Lircuits are shorted to each other         • Disconnection of wiring harness and short to each other         • Malfunction in curtain air bag module LH + Malfunction in curtain air bag module LH + Malfunction in air bag diagnosis sensor unit         F           CCONFIRMATION PROCEDURE         • Malfunction in air bag diagnosis sensor unit         F           CCONFIRMATION PROCEDURE         • Malfunction in air bag diagnosis sensor unit         F           CCONFIRMATION PROCEDURE         • Malfunction in air bag diagnosis sensor unit         F           CCONFIRMATION PROCEDURE         • Malfunction in air bag diagnosis sensor unit         F           CONSULT         • Walfunction in air bag diagnosis sensor unit         F           CONSULT         • Walfunction switch ON.         • Malfunction switch ON.         • Malfunction is detected in the user mode.         I           Check the air bag warning lamp status. Refer to SRC-18. "Diagnosis with Air Bag Warning Lamp".         I         I           O         >> NSPECTION END         J         J         J           agnosis Procedure         • Malfunction in air bag diagnosis and air at least 3         I           Nonnec         (To discharge backup capa			
<b>1.</b> CHEC	CK SELF-DIAG RES	ULT		
. Turn 2. Perf Without. Turn	i ignition switch ON. orm "AIR BAG" Self I ut CONSULT i ignition switch ON.	-		
	-		l in the user mode.	
	•			
NO				
Diagno	sis Procedure		INFOID:000000007621716	
Before	e servicing, turn igr		v negative terminal, and wait at least 3	
Never	es or more. (To disc use unspecified tes	charge backup capacitor.) ster or other measuring device.		
	=	_		
Check th	e harness connector	r.		
<u>s the ins</u>		<u>al?</u>		
YES		connector		
-	•			
	-			
YES	>> GO TO 3.	<u></u>		
NO	>> Replace wiring h			
<b>3.</b> REPL	ACE AIR BAG DIAG	SNOSIS SENSOR UNIT		
2. Perf	orm DTC confirmatio	is sensor unit. Refer to <u>SR-30, "COUPE</u> on procedure. Refer to <u>SRC-135, "DTC I</u>		
	letected?			
YES	>> GO TO 4.			

NO >> INSPECTION END

INFOID:000000007621714

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[COUPE]

# 4.REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-67, "Exploded View"</u>
   Perform DTC confirmation procedure. Refer to <u>SRC-135, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

#### B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT [COUPE] < DTC/CIRCUIT DIAGNOSIS >

## B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621718

INFOID:000000007621717

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#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1154 B1155 B1156 B1157 B1158 B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

#### DTC CONFIRMATION PROCEDURE

#### А \_

1.CHECK SELF-DIAG RESULT	
<ul> <li>With CONSULT</li> <li>1. Turn ignition switch ON.</li> <li>2. Derform "ALD DAC" Soft Diagnostic Deput</li> </ul>	SRC
<ol> <li>Perform "AIR BAG" Self Diagnostic Result.</li> <li>Without CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ol>	I
<b>NOTE:</b> SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. <u>Is malfunctioning part detected?</u>	J
YES >> Refer to <u>SRC-137, "Diagnosis Procedure"</u> . NO >> INSPECTION END	К
Diagnosis Procedure	
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> <li>CHECK HARNESS CONNECTOR</li> </ul>	M
Check the harness connector. <u>Is the inspection result normal?</u> YES >> GO TO 2. NO >> Replace harness connectors.	N
2.CHECK WIRING HARNESS	-
Check the wiring harness externals. <u>Is the inspection result normal?</u> YES >> GO TO 3. NO >> Replace wiring harness. <b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	Ρ
1 Replace air bag diagnosis sensor unit. Refer to SR-30. "COURE : Exploded View"	

Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>. 1.

2. Perform DTC confirmation procedure. Refer to SRC-137, "DTC Logic".

## B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

## B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

## B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621721

INFOID:000000007621720

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#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1170 B1171 B1172 B1173 B1174 B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

#### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

CHECK SELF-DIAG RESULI	
	SRC
<ol> <li>Turn ignition switch ON.</li> <li>Perform "AIR BAG" Self Diagnostic Result.</li> </ol>	
Without CONSULT	
1. Turn ignition switch ON.	
2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-139, "Diagnosis Procedure"</u> .	К
NO >> INSPECTION END	
Diagnosis Procedure	
	L
WARNING:	
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3	
<ul><li>minutes or more. (To discharge backup capacitor.)</li><li>Never use unspecified tester or other measuring device.</li></ul>	Μ
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2. CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	1
YES >> GO TO 3.	
NO >> Replace wiring harness.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u> .	

2. Perform DTC confirmation procedure. Refer to SRC-139, "DTC Logic".

#### B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT [COUPE] < DTC/CIRCUIT DIAGNOSIS >

Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END

#### B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT [COUPE] < DTC/CIRCUIT DIAGNOSIS >

# B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621724

INFOID:000000007621723

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#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1186 B1187 B1188 B1189 B1190 B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT	
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> </ul>	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
Without CONSULT     Turn ignition switch ON.	1
<ol> <li>Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ol>	
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-141. "Diagnosis Procedure"</u> . NO >> INSPECTION END	К
Diagnosis Procedure	
	L
WARNING:	
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)	
Never use unspecified tester or other measuring device.	M
1. CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	P
YES >> GO TO 3.	
NO >> Replace wiring harness.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1 Poplace air bag diagnosis sensor unit Pofer to SP 30 "COUPE - Exploded View"	

Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>. 1.

2. Perform DTC confirmation procedure. Refer to SRC-141, "DTC Logic".

## B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

#### B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## **DTC Logic**

INFOID:000000007621727

INFOID:000000007621726

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#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

#### DTC CONFIRMATION PROCEDURE

## 1.CHECK SELF-DIAG RESULT

1.CHECK SELF-DIAG RESULT	
With CONSULT	SRC
1. Turn ignition switch ON.	
<ol> <li>Perform "AIR BAG" Self Diagnostic Result.</li> <li>Without CONSULT</li> </ol>	
1. Turn ignition switch ON.	
2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE:	.1
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	0
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-143, "Diagnosis Procedure"</u> . NO >> INSPECTION END	K
Diagnosis Procedure	
WARNING:	L
<ul> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> <li>CHECK HARNESS CONNECTOR</li> </ul>	Μ
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	Ρ
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace wiring harness.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	

2. Perform DTC confirmation procedure. Refer to SRC-143, "DTC Logic".

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

#### < DTC/CIRCUIT DIAGNOSIS >

## B1209 FRONTAL COLLISION DETECTION

## Description

The air bags and seat belt pre-tensioners for driver and passenger are activated by the air bag diagnosis sensor unit signal transmitted at the time of the frontal collision.

## DTC Logic

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1209	FRONTAL COLLI- SION DETECTION	Seat belt pre-tensioner, driver side air bag and passen- ger air bag are deployed	_	Е
DTC CONF	IRMATION PROCE	DURE		
<b>1.</b> CHECK 8	SELF-DIAG RESULT			F
2. Perform Without C	ition switch ON. "AIR BAG" Self Diagr	nostic Result.		G
2. Check tl NOTE:	ne air bag warning lan	np status. Refer to <u>SRC-18, "Diagnosis with Air</u>	Bag Warning Lamp".	SRO
SRS does no	•	mode if no malfunction is detected in the user r	node.	
	<u>ning part detected?</u> Refer to <u>SRC-145, "D</u>	iagnosis Proceduro"		I
	INSPECTION END			
Diagnosis	Procedure		INFOID:000000007621731	J
minutes o • Never use	r more. (To discharge unspecified tester of	e switch OFF, disconnect battery negative te le backup capacitor.) or other measuring device.	erminal, and wait at least 3	K
	M COLLISION DIAG			L
		to <u>SR-8, "FOR FRONTAL COLLISION : When</u> OLLISION : When SRS is not activated in a coll		
Iscollision di	agnosis complete? GO TO 2.			M
-	INSPECTION END			
2.FINAL IN	SPECTION			Ν
Perform "AIF	R BAG" Self Diagnosti	c Result.		
	tion result normal?			0
-	INSPECTION END Peform diagnosis of a	pplicable DTC.Refer to SRC-154, "DTC Index"		
		,,		Ρ

INFOID:000000007621729

INFOID:000000007621730

[COUPE]

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#### < DTC/CIRCUIT DIAGNOSIS >

## B1210 SIDE COLLISION DETECTION

## Description

The side air bag and curtain air bag are activated by the air bag diagnosis sensor unit signal transmitted at the time of side collision.

## DTC Logic

INFOID:000000007621733

INFOID:000000007621734

INFOID:000000007621732

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Side air bag and curtain air bag are deployed	_

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

With CONSULT

Turn ignition switch ON.

2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to <u>SRC-146. "Diagnosis Procedure"</u>.

NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to <u>SR-10</u>, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision" or <u>SR-11</u>, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision".

Iscollision diagnosis complete?

YES >> GO TO 2.

NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Peform diagnosis of applicable DTC.Refer to <u>SRC-154, "DTC Index"</u>.

## **B1211 ROLLOVER DETECTION**

#### < DTC/CIRCUIT DIAGNOSIS >

## **B1211 ROLLOVER DETECTION**

## Description

The seat belt pre-tensioner and curtain air bag are activated by the air bag diagnosis sensor unit signal at the В time of rollover.

## **DTC** Logic

## DTC DETECTION LOGIC

#### With CONSULT

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	Е
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner and curtain air bag module are deployed because of rollover detection	_	

#### DTC CONFIRMATION PROCEDURE

## 1.CHECK SELF-DIAG RESULT

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Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

>> Peform diagnosis of applicable DTC.Refer to SRC-154, "DTC Index". NO

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[COUPE]

INFOID:000000007621735

INFOID:000000007621736

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#### < DTC/CIRCUIT DIAGNOSIS >

## B1212, B1213, B1214 SATELLITE SENSOR RH

## Description

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

## DTC Logic

INFOID:000000007621739

INFOID:000000007621740

INFOID:000000007621738

[COUPE]

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1212 B1213 B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-18, "Diagnosis with Air Bag Warning Lamp".

#### NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-148</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

**Diagnosis** Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-148. "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4. NO >> INSPECTION END

**4.**REPLACE SATELLITE SENSOR

B1212, B1213, B1214 SATELLITE SENSOR RH		
< DTC/CIRCUIT DIAGNOSIS >	[COUPE]	
<ol> <li>Replace satellite sensor RH. Refer to <u>SR-28, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-148, "DTC Logic"</u>.</li> </ol>		А
Is DTC detected?		
YES >> GO TO 1. NO >> INSPECTION END		В
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#### < DTC/CIRCUIT DIAGNOSIS >

## B1215, B1216, B1217 SATELLITE SENSOR LH

## Description

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

## DTC Logic

INFOID:000000007621742

INFOID:000000007621743

INFOID:000000007621741

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1215 B1216 B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-18, "Diagnosis with Air Bag Warning Lamp".

#### NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-150, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

**Diagnosis** Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-150, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4. NO >> INSPECTION END

**4.**REPLACE SATELLITE SENSOR

B1215, B1216, B1217 SATELLITE SENSOR LH		
< DTC/CIRCUIT DIAGNOSIS >	[COUPE]	
<ol> <li>Replace satellite sensor LH. Refer to <u>SR-28, "Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-150, "DTC Logic"</u></li> </ol>		А
Is DTC detected?		
YES >> GO TO 1. NO >> INSPECTION END		В
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## B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [COUPE]

## B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

#### Description

INFOID:000000007621744

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621745

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1218 B1219 B1220 B1221 B1222 B1222 B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-18, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-152</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### **Diagnosis** Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## $\mathbf{3}$ .replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to <u>SRC-152, "DTC Logic"</u>.

## SRC-152

INEOID:000000007621746

## B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	[COUPE]
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	A
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# ECU DIAGNOSIS INFORMATION DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000007621747

DTC	Diagnostic item		Explanation	Reference page
			Low battery voltage (Less than 9 V)	SRC-30, "DTC Logic".
_	NO DTC IS DETECTED.	When malfunction is indicated by the "AIR BAG" warning lamp in the user mode	<ul> <li>Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair</li> <li>Intermittent malfunction is detected in the past</li> </ul>	SRC-18. "Diag- nosis with Air Bag Warning Lamp", SRC-23, "CONSULT Function".
		No malfunction is detec	cted	—
B1001-B1015	CONTROL UNIT	Air bag diagnosis sens	or unit is malfunctioning	<ul> <li><u>SRC-24,</u> <u>"DTC Logic"</u>.</li> <li><u>SRC-26,</u> <u>"DTC Logic"</u>.</li> <li><u>SRC-28,</u> <u>"DTC Logic"</u>.</li> </ul>
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Malfunction occurs in C unit	Occupant Classification System control	<u>SRC-30, "DTC</u> Logic".
B1018	OCCUPANT SENS [UNIT FAIL]	Malfunction occurs in C	Occupant Classification System sensor	SRC-32, "DTC Logic".
B1022	OCCUPANT SENS C/U [COMM FAIL]	unit, circuit of Occupan	Occupant Classification System control t Classification System control unit air unit, or air bag diagnosis sensor unit	<u>SRC-34, "DTC</u> Logic".
B1023	PASS A/B INDCTR CKT	Passenger air bag OFF ground or the circuits a	Findicator circuit is open or shorted to re shorted each other	SRC-36, "DTC Logic".
B1025 B1032 B1048	OCS SENSOR	unit, circuit of Occupan	Occupant Classification System control t Classification System control unit air unit, or air bag diagnosis sensor unit	<u>SRC-38, "DTC</u> Logic".
B1026-B1031	CONTROL UNIT	Air bag diagnosis sense specified specification	or unit is malfunctioning or out of the	SRC-40, "DTC Logic".
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	Crash zone sensor is n	nalfunctioning	SRC-42, "DTC Logic".
B1035	CRASH ZONE SEN [COMM FAIL]		nalfunctioning or out of the specified	SRC-44, "DTC
B1036	CRASH ZONE SEN [UNMATCH]	specification		Logic".
B1037 B1039 B1041	CRASH ZONE SEN1	Crash zone sensor is n	nalfunctioning	<u>SRC-46, "DTC</u> Logic".
B1042-B1047	CONTROL UNIT	Air bag diagnosis sense	or unit is malfunctioning	SRC-48, "DTC Logic".
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module c	ircuit is open (including the spiral cable)	SRC-50, "DTC Logic".
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module c (including the spiral cat	ircuit is shorted to power supply circuit ole)	SRC-52, "DTC Logic".
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module ci spiral cable)	ircuit is shorted to ground (including the	SRC-54, "DTC Logic".
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module ci ing spiral cable)	ircuits are shorted to each other (includ-	SRC-56, "DTC Logic".

## **DIAGNOSIS SENSOR UNIT**

#### < ECU DIAGNOSIS INFORMATION >

## [COUPE]

DTC	Diagnostic item	Explanation	Reference page
B1058-B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-58, "DTC</u> Logic".
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	SRC-60, "DTC Logic".
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	SRC-62, "DTC Logic".
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	SRC-64, "DTC Logic".
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	SRC-66, "DTC Logic".
B1074-B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-68, "DTC Logic".
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (includ- ing spiral cable)	SRC-70, "DTC Logic".
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	SRC-72, "DTC Logic".
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	SRC-74, "DTC Logic".
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	<u>SRC-76, "DTC</u> Logic".
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	SRC-78, "DTC Logic".
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	<u>SRC-80, "DTC</u> Logic".
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	SRC-82, "DTC Logic".
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	SRC-84, "DTC Logic".
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	SRC-86, "DTC Logic".
B1090-B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-88, "DTC Logic".
B1106-B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-90, "DTC Logic".
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	SRC-92, "DTC Logic".
B1115	SATELLITE SENS RH [COMM FAIL]		SRC-94, "DTC
B1116	SATELLITE SENS RH [UNMATCH]	Satellite sensor RH is malfunctioning or mis-installed	Logic".
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	SRC-96, "DTC Logic".
B1120	SATELLITE SENS LH [COMM FAIL]		SRC-98, "DTC
B1121	SATELLITE SENS LH [UNMATCH]	Satellite sensor LH is malfunctioning or mis-installed	Logic".
B1122-B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-100, "DTC Logic".
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	SRC-102, "DTC Logic".
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply cir- cuit	SRC-104, "DTC Logic".

## **DIAGNOSIS SENSOR UNIT**

#### < ECU DIAGNOSIS INFORMATION >

#### [COUPE]

DTC	Diagnostic item	Explanation	Reference page
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	<u>SRC-106, "DTC</u> Logic".
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are shorted to each other	SRC-108, "DTC Logic".
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	SRC-110, "DTC Logic".
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	SRC-112, "DTC Logic".
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	SRC-114, "DTC Logic".
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	SRC-116, "DTC Logic".
B1138-B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-118, "DTC</u> Logic"
B1144	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	SRC-120, "DTC Logic".
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	SRC-121, "DTC Logic".
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	SRC-123, "DTC Logic".
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	SRC-125, "DTC Logic".
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	SRC-127, "DTC Logic".
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	SRC-129, "DTC Logic".
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuits	SRC-131, "DTC Logic".
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	SRC-133, "DTC Logic".
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	SRC-135, "DTC Logic".
B1154-B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-137, "DTC Logic".
B1170-B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-139, "DTC Logic".
B1186-B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-141, "DTC Logic".
B1202-B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-143, "DTC Logic".
B1209	FRONTAL COLLISION DE- TECTION	Seat belt pre-tensioner, driver side air bag and passenger air bag are deployed	SRC-145, "DTC Logic".
B1210	SIDE COLLISION DETEC- TION	Side air bag and curtain air bag are deployed	SRC-146, "DTC Logic".
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner side curtain air bag module are de- ployed because of rollover detection	SRC-147, "DTC Logic".
B1212-B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	SRC-148, "DTC Logic".
B1215-B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	SRC-150, "DTC Logic".
B1218-B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-152, "DTC Logic".

#### < ECU DIAGNOSIS INFORMATION >

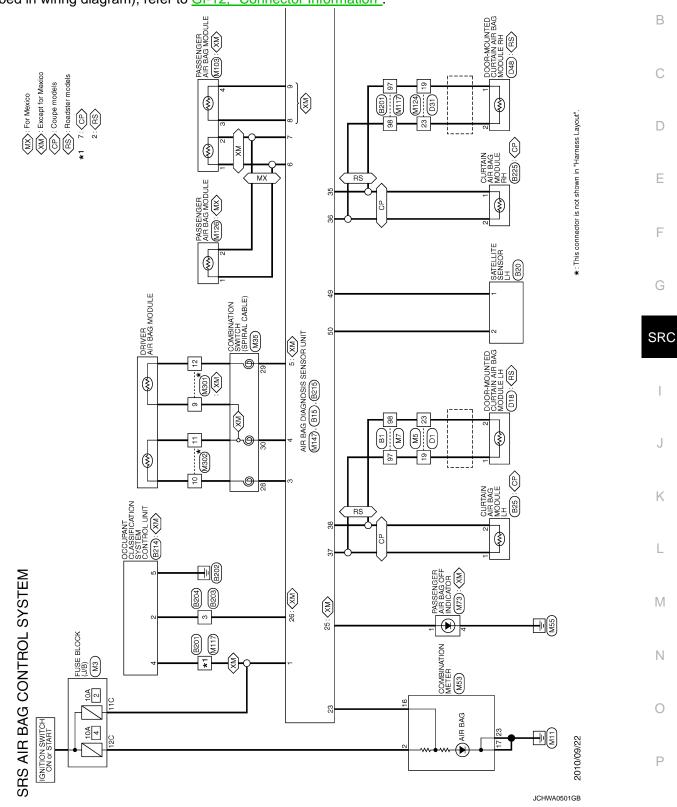
## Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

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[COUPE]

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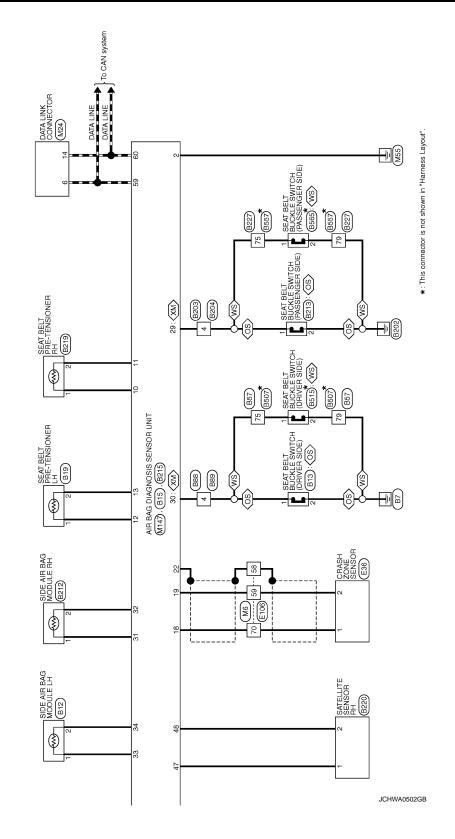
For connector terminal arrangements, harness layouts, and alphabets in a  $\bigcirc$  (option abbreviation; if not described in wiring diagram), refer to <u>GI-12, "Connector Information"</u>.



## **DIAGNOSIS SENSOR UNIT**

#### < ECU DIAGNOSIS INFORMATION >

[COUPE]





SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	
< SYMPTOM DIAGNOSIS >	[COUPE]
SYMPTOM DIAGNOSIS	
SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	
Diagnosis Procedure	INFOID:000000007621749
1. CHECK SELF DIAGNOSIS RESULT	
Perform "AIR BAG" Self Diagnostic Result with CONSULT.	
<u>Is DTC detected?</u> YES >> Repair or replace the malfunctioning parts. Refer to <u>SRC-154, "DTC Index"</u> . NO >> GO TO 2.	
2.CHECK AIR BAG FUSE	
Check 10A fuse [No.2, located in fuse block (J/B)].	
Is the inspection result normal?	
YES >> GO TO 3. NO >> Replace the fuse.	
<b>3.</b> CHECK HARNESS CONNECTOR	
Check the harness connector.	
Is the inspection result normal?	
YES >> GO TO 4.	
NO >> Replace harness connectors. 4.CHECK WIRING HARNESS	5
Check the wiring harness externals. Is the inspection result normal?	
YES >> GO TO 5.	
NO >> Replace wiring harness.	
5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u> .	
<ol> <li>Check air bag warning lamp operation.</li> <li><u>Is the inspection result normal?</u></li> </ol>	
YES >> INSPECTION END	
NO >> GO TO 1.	

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## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

#### < SYMPTOM DIAGNOSIS >

## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

**1.**CHECK METER FUSE

Check 10A fuse [No.4, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the fuse.

2. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace harness connectors.

**3.**CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace wiring harness.

**4.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 1.

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# < PRECAUTION > PRECAUTION PRECAUTIONS EXCEPT FOR MEXICO

EXCEPT FOR MEXICO : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness SRC connectors.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

#### WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

#### **EXCEPT FOR MEXICO : Service**

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more.

For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until 3 minutes or more elapse.

- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for normal operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace if necessary.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Perform self-diagnosis to check entire SRS for normal function after replacing any components.
- After air bag inflates, the front instrument panel assembly must be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

## EXCEPT FOR MEXICO : Occupant Classification System Precaution

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Replace Occupant Classification System control unit and passenger front seat cushion as an assembly. Refer to <u>SE-71, "Removal and Installation"</u>.

## SRC-161

[COUPE]

## **EXCEPT FOR MEXICO : Precaution for Battery Service**

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

## FOR MEXICO

## FOR MEXICO : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

#### WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

#### FOR MEXICO : Service

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- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more.

For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until 3 minutes or more elapse.

- Diagnosis sensor unit must always be installed with their arrow marks " " pointing towards the front of the vehicle for normal operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace if necessary.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Perform self-diagnosis to check entire SRS for normal function after replacing any components.
- After air bag inflates, the front instrument panel assembly must be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

## FOR MEXICO : Precaution for Battery Service

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Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the

## SRC-162

## PRECAUTIONS

#### < PRECAUTION >

# window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

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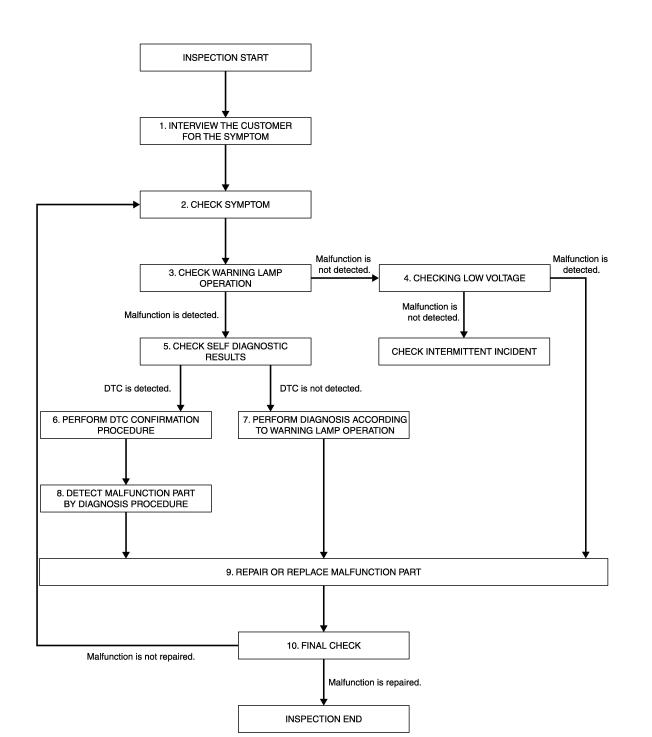
< BASIC INSPECTION >

BASIC INSPECTION DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE

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DETAILED FLOW

## DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[ROADSTER]

<b>1.</b> INTERVIEW THE CUSTOMER FOR THE SYMPTOM	Δ
Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs).	~
	В
>> GO TO 2. 2.CHECK SYMPTOM	
	С
Check the symptom from the customer information.	
>> GO TO 3.	D
3. CHECK WARNING LAMP OPERATION	D
Check air bag warning lamp operation in the user mode. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u> .	E
Are any malfunction detected?	
YES >> GO TO 5. NO >> GO TO 4.	F
4. CHECK LOW VOLTAGE	1
Check low voltage with CONSULT. Refer to <u>SRC-178, "CONSULT Function"</u> .	_
Are any malfunction detected?	G
YES >> GO TO 9.	
NO >> Check intermittent incident. Refer to <u>GI-44, "Intermittent Incident"</u> .	SRC
5.CHECK SELF DIAGNOSTIC RESULTS	
Check self diagnostic result with CONSULT or diagnosis mode. If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected.	
NOTE:	
<ul><li>Perform the following procedure if DTC is detected.</li><li>Record DTC (Print them out with CONSULT.)</li></ul>	.1
Erase self diagnostic result.	0
<ul> <li>Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.</li> </ul>	
Check related service bulletins for information.	K
Is DTC detected?	
YES >> GO TO 6. NO >> GO TO 7.	L
6. PERFORM DTC CONFIRMATION PROCEDURE	
Perform DTC CONFIRMATION PROCEDURE for the DTC.	M
>> GO TO 8.	Ν
PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION	
<ol> <li>Check air bag warning lamp operation in the user mode. Refer to <u>SRC-173, "Diagnosis with Air Bag Warn-ing Lamp"</u>.</li> </ol>	0
<ol> <li>Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to <u>SRC-173, "Diagnosis with</u> <u>Air Bag Warning Lamp"</u> (USER MODE).</li> </ol>	0
>> GO TO 9.	Ρ
8. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE	
Inspect according to Diagnostic Procedure of the DTC.	

>> GO TO 9.

< BASIC INSPECTION >

[ROADSTER]

## $9. {\tt REPAIR} \text{ or REPLACE THE MALFUNCTION PART}$

Repair or replace the malfunctioning part.

>> GO TO 10.

. .

Check self diagnostic result and air bag warning lamp operation in the user mode.

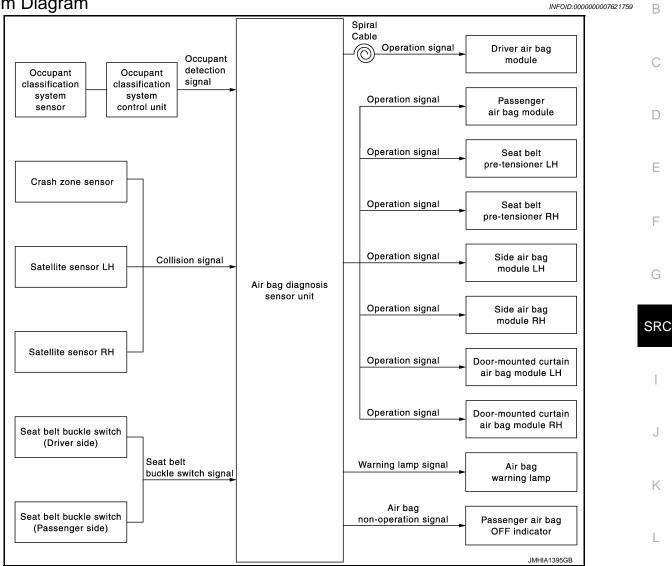
Is the malfunction repaired?

YES >> INSPECTION END NO >> GO TO 2.

## < SYSTEM DESCRIPTION >

# SYSTEM DESCRIPTION SRS AIR BAG SYSTEM

#### System Diagram



## System Description

Supplemental Restraint System (SRS) activates air bag module and seat belt pre-tensioner when it detects a frontal collision or a side collision that is more than the specified limit. Together with other safety devices, it reduces the impact that occupant receives when vehicle collision occurs.

Air bag diagnosis sensor unit supplies power supply to air bag module and pre-tensioner seat belt when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag diagnosis sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag. At the same time, pre-tensioner seat belt receives power supply from air bag diagnosis sensor unit, gasgenerator is activated, and then gas is generated. Balls in pipe are moved according to generated gas pressure and strike pinion gear on ELR shaft. ELR shaft rotates and retracts seat belt.

When air bag diagnosis sensor unit detects a rollover of the vehicle, electric igniter (spuib) receives power supply, pyrotechnic material is ignited, and then piston is projected.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS Air bag diagnosis sensor unit has the following functions.

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## SRS AIR BAG SYSTEM

#### < SYSTEM DESCRIPTION >

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT.
- Suppresses the deployment of passenger air bag when passenger seat is empty or occupied by child or child-seat.
- When passenger seat is occupied by child or child seat, turns ON passenger air bag OFF indicator.
- When judges that passenger seat is occupied by a adult or a child and passenger seat belt is not fasten, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to <u>SBC-3. "System Description"</u>.

#### COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, and seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS configurations that are activated for the following collision modes.

×: Apply —: Not apply

SRS configuration	Frontal collision	Left side collision	Right side collision	Roll over
Driver air bag module	×	—	—	—
Passenger air bag module	×	—	—	
Seat belt pre-tensioner LH	×	—	—	×
Seat belt pre-tensioner RH	×	—	—	×
Side air bag module LH	_	×	_	
Side air bag module RH	—	—	×	
Door-mounted curtain air bag module LH	—	×	—	×
Door-mounted curtain air bag module RH	_	—	×	×

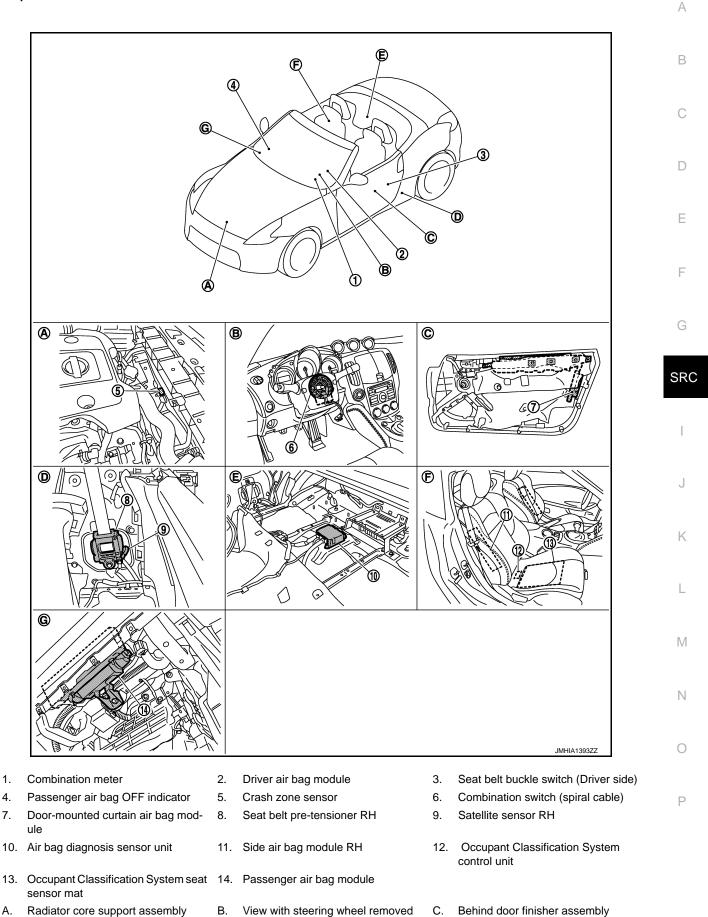
## SRS AIR BAG SYSTEM

#### < SYSTEM DESCRIPTION >

## **Component Parts Location**

# [ROADSTER]





**SRC-169** 

#### < SYSTEM DESCRIPTION >

- D. Behind rear side finisher
- G. Behind glove box assembly

## **Component Description**

Behind seatback center finisher

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F. Passenger seat

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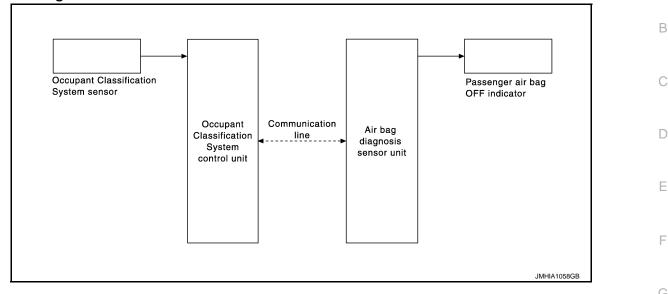
Component	Function		
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.		
Air bag module • Driver • Passenger • Side • Door-mounted curtain	Receives signal from air bag diagnosis sensor unit and deploys air bag.		
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tension- er.		
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.		
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.		
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.		
Occupant Classification System control unit	Detects passenger seat occupant and judges whether or not passenger seat air bag is deployed.		
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.		
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Classification System.		
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.		

## **OCCUPANT CLASSIFICATION SYSTEM**

#### < SYSTEM DESCRIPTION >

## OCCUPANT CLASSIFICATION SYSTEM

#### System Diagram



## System Description

Occupant Classification System has the following functions.

- Suppresses the deployment of passenger air bag when passenger seat is empty, or when occupied by child and child-seat.
- Turns on passenger air bag OFF indicator when passenger seat is occupied by child-seat and child.
- Indicates malfunction portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- · Indicates the malfunctioning record via CONSULT.

Status (passenger seat)	Passenger air bag	Passenger air bag OFF indicator	Air bag warning lamp	J
Empty	Suppress	OFF	OFF	-
Child/child-seat	Suppress	ON	OFF	K
Adult	Enable to deploy	OFF	OFF	-
Malfunction	Suppress	ON	Blinking	



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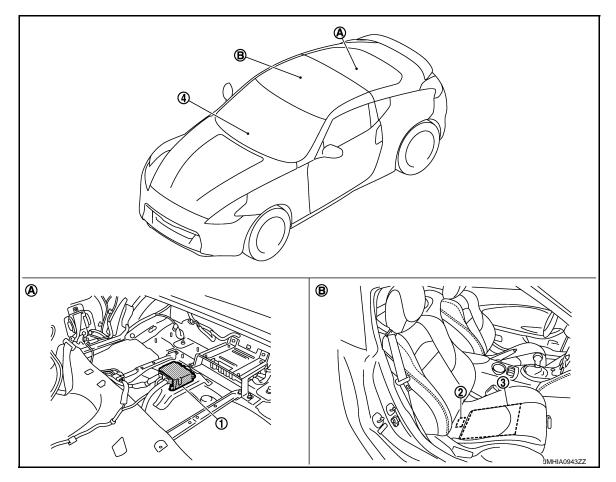
## **OCCUPANT CLASSIFICATION SYSTEM**

#### < SYSTEM DESCRIPTION >

## **Component Parts Location**

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[ROADSTER]



- 1. Air bag diagnosis sensor unit
- 2. Occupant Classification System control unit
- 3. Occupant Classification System seat sensor mat

- 4. Passenger air bag OFF indicator
- A. Behined seatback center finish- B. Passenger seat er

## **Component Description**

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Component parts	Outline of function	
Occupant Classification System seat sensor mat	Detects if the passenger seat is empty or occupied. It is integrated into the seat cushion and detects the occupants with occupant classification system control unit that classifies the occupants.	
Occupant Classification System control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit. It is installed in the passenger seat cushion.	
Passenger air bag OFF indicator	Turns the passenger air bag OFF indicator lamp ON when the passenger seat is occupied by a child or a child-seat.	
Air bag diagnosis sensor unit	<ul> <li>Performs the deploy judgement of passenger air bag based on the information from Occupant Classification System control unit.</li> <li>Passenger air bag OFF indicator turns ON or turns OFF when passenger state signal detected by Occupant Classification System control unit is received.</li> </ul>	

#### < SYSTEM DESCRIPTION >

## ON BOARD DIAGNOSTIC (OBD) SYSTEM

#### Diagnosis Description

#### **CAUTION:**

- Never use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Never repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

#### **DIAGNOSIS FUNCTION**

- The SRS self-diagnostic results can be read with air bag warning lamp and/or CONSULT.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the air bag warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the air bag warning lamp and CONSULT are as per the following items.

		×: Application, —: Not application	F
Diagnosis tool	User mode	Diagnosis mode	
Air bag warning lamp	×	×	
CONSULT	-	×	G

#### Diagnosis with Air Bag Warning Lamp

#### SELF DIAGNOSIS FUNCTION

There are two self diagnosis functions with air bag warning lamp per the following items.

- USER MODE
- DIAGNOSIS MODE

#### HOW TO CHANGE TO DIAGNOSIS MODE

- Self diagnosis mode changes from user mode to diagnosis mode when changing operation is performed.
- In user mode, when SRS air bag warning lamp is not blinking, changing to diagnosis mode by ignition switch operation is not possible.
- In diagnosis mode, when repair is complete and system is normal, the mode changes to user mode when ignition switch is turned from OFF to ON.

#### PROCEDURE TO CHANGE TO DIAGNOSIS MODE

- 1. Turn ignition switch from OFF to ON.
- 2. SRS air bag lamp turns ON for 7 second and turns OFF, then turn ignition switch OFF within 1 second after the lamp turns OFF.
- 3. After turning ignition switch OFF, wait for 3 seconds or more.
- 4. Repeat operation 1 to 3 for 2 times so that operation 1 to 3 is repeated for 3 times in total.
- 5. Turn ignition switch from OFF to ON. Self diagnosis mode changes to diagnosis mode.

#### USER MODE

In USER MODE, air bag warning lamp on combination meter blinks when a malfunction is detected and warns the customer (driver).

How to Read Air Bag Warning Lamp

- 1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
- 2. Compare the air bag warning lamp blinking pattern with the examples.

#### Air Bag Warning Lamp Examples

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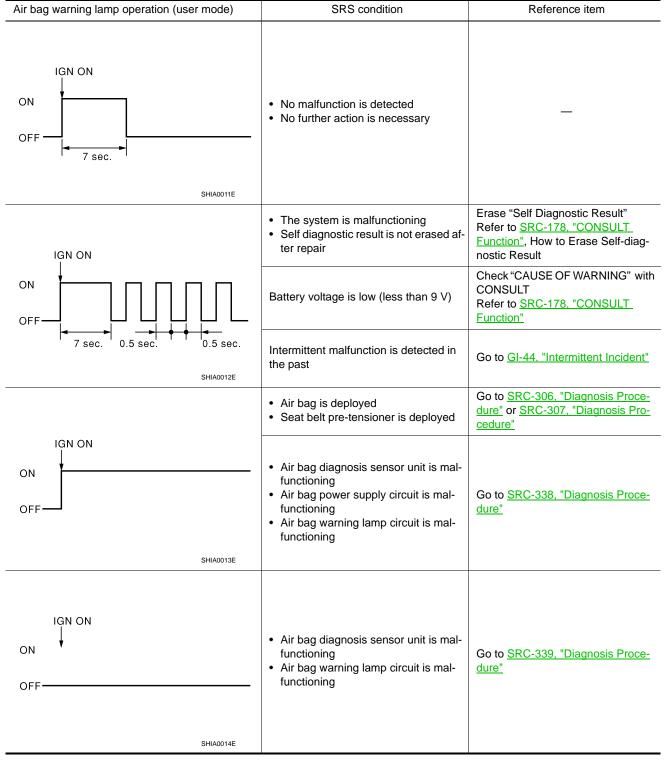
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#### < SYSTEM DESCRIPTION >

#### [ROADSTER]



#### DIAGNOSIS MODE

The diagnosis mode can only be switched when a malfunction is detected in the user mode. Malfunctioning system is indicated according to blinking pattern of air bag warning lamp.

How to Read Air Bag Warning Lamp

- 1. Follow the procedures of "PROCEDURE TO CHANGE TO DIAGNOSIS MODE", and switch to the diagnosis mode.
- 2. Turn ignition switch ON. Check the blinking pattern of air bag warning lamp.
  - There are 2 blinking patterns for the air bag warning lamp as per the following items.
  - Front air bag system: 3 second blink followed by a 0.5 second blink repeated.

## SRC-174

#### < SYSTEM DESCRIPTION >

#### Side air bag system: Two 1.5 second blinks followed by a 0.5 second blink repeated.

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Number of 0.5 second blinks	Malfunctioning items	
0	<ul> <li>Self-diagnostic result is not erased after repair</li> <li>Intermittent malfunction is detected in the past</li> </ul>	
1	Seat belt pre-tensioner LH	
2	Driver air bag module	
3	Seat belt pre-tensioner RH	
5	Occupant Classification System control unit	
6	Crash zone sensor	
7	Air bag diagnosis sensor unit	
8	Passenger air bag module	
11	Passenger air bag OFF indicator	
17	Air bag diagnosis sensor unit	

#### Side air bag system

r bag system		
Number of 0.5-second blinks	Malfunctioning items	
1	Side air bag module RH	
2	Side air bag module LH	
3	Satellite sensor RH	
4	Satellite sensor LH	
5	Curtain air bag module RH	
6	Curtain air bag module LH	
14	Door-mounted curtain air bag module RH	
15	Door-mounted curtain air bag module LH	

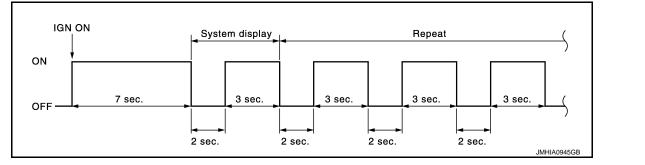
#### How to Erase Self-diagnostic Result

After a malfunction is repaired, turn the ignition switch OFF for one second or more, then turn ignition switch ON. The diagnosis mode returns to the user mode. At that time the self-diagnostic result is cleared.

#### EXAMPLE OF AIR BAG WARNING LAMP OPERATION IN THE DIAGNOSIS MODE

#### System Normal

When system is normal.



Single System Malfunction

Front air bag system

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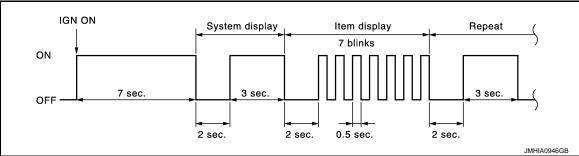
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#### < SYSTEM DESCRIPTION >

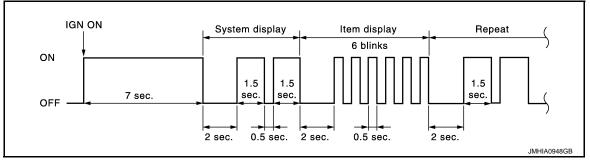


When air bag diagnosis sensor unit system (Item display 1) is malfunctioning.



#### Side air bag system

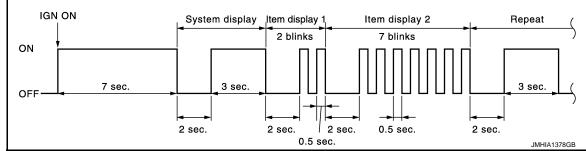
When curtain air bag module LH system (Item display 1) is malfunctioning.



Multiple Systems Malfunction

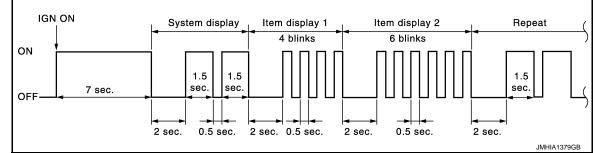
• Front air bag system

When driver air bag module (Item display 1) and air bag diagnosis sensor unit system (Item display 2) are malfunctioning.



#### • Side air bag system

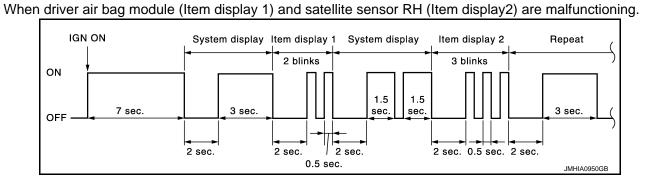
When satellite sensor LH (Item display1) and curtain air bag module LH system (Item display 2) are malfunctioning.



Front air bag system and side air bag system

#### < SYSTEM DESCRIPTION >

[ROADSTER]





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## DIAGNOSIS SYSTEM (AIR BAG)

## **CONSULT** Function

INFOID:000000007621769

#### APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
ECU Identification	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part num- ber is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
Self Diagnostic Result	<ul> <li>Self-diagnosis result is displayed. Refer to <u>SRC-332</u>, "<u>DTC Index</u>".</li> <li>"No DTC" is displayed when repair is completed by part replacement or other operations.</li> <li>"SELF-DIAG RESULT [MEMORY]" is displayed until "Erase" is performed. CAUTION:</li> <li>When "No DTC" is displayed after repair, always perform "Erase". If this is not done SRS air bag warning lamp remains blinking when user mode is resumed.</li> </ul>
TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT screen.
SELF-DIAG RESULT [CAN]	CAN diagnosis result is displayed.
Cause of Warning Lamp	It displays the cause of warning lamp illumination that is not recorded in memory.

#### CAUSE OF WARNING LAMP

This item indicates IGN low voltage condition.

The air bag warning lamp blink in user mode when the battery voltage is lowered to the voltage value (less than 9 V) at which the SRS cannot be operated normally. The air bag warning lamp turns OFF after the battery voltage returns to normal status after blinking.

In such a case, the DTC memory is not performed and changing to the self-diagnostic mode by IGN operation cannot be performed while the air bag warning lamp illuminates. "NO DTC" is displayed even if the malfunctioning parts are checked by CONSULT.

This function records the following items.

Display contents of CONSULT		Description
	IGN VOLT COND	"LOW" is displayed when IGN low voltage is detected. If not, "OK" is displayed.
Air bag	IGN VOLT TIME	Times of IGN low voltage is detected.
	LOW V RECORED	Times of IGN ON after IGN low voltage is detected.

## B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

#### < DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

## B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

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INFOID:000000007621772

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1001 B1002 B1003 B1004	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F
B1005				G

#### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result. 2.
- Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to SRC-179, "Diagnosis Procedure".

>> INSPECTION END NO

#### **Diagnosis** Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes Μ or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

Check the harness connector.			
Is the inspection result normal?			
YES >> GO TO 2.	0		
NO >> Replace harness connectors.			
2. CHECK WIRING HARNESS			
Check the wiring harness externals.			
le the increation regult normal?			

Is the inspection result normal? YES >> GO TO 3.

NO

>> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View". < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

2. Perform DTC confirmation procedure. Refer to <u>SRC-179, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

#### < DTC/CIRCUIT DIAGNOSIS >

# B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

#### Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# **DTC Logic**

INFOID:000000007621774

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	Е
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F
DTC CO	NFIRMATION PRO	CEDURE		G
<b>1.</b> CHEC	K SELF-DIAG RESUL	T		G
1. Turn 2. Perfo	CONSULT ignition switch ON. orm "AIR BAG" Self-Di ut CONSULT	agnostic Result.		SR
1. Turn	ignition switch ON.	lamp status. Refer to <u>SRC-173, "Diagnos</u>	sis with Air Bag Warning Lamp".	Ι
	s not enter the diagno ctioning part detected	sis mode if no malfunction is detected in <sup>.</sup> ?	the user mode.	J
	>> Refer to <u>SRC-181.</u> >> INSPECTION END	"Diagnosis Procedure".		
-	sis Procedure		INFOID:00000007621775	Κ
or more • Never (	servicing, turn ignit e. (To discharge back use unspecified teste	er or other measuring device.	gative terminal, and wait 3 minutes	L
	K HARNESS CONNE	CTOR		
Is the ins YES	e harness connector. <u>pection result normal?</u> >> GO TO 2.			Ν
~	>> Replace harness c K WIRING HARNESS			0
	e wiring harness exter			
Is the ins YES NO	pection result normal? >> GO TO 3. >> Replace wiring har	ness.		Ρ
3.REPL	ACE AIR BAG DIAGN	OSIS SENSOR UNIT		
		sensor unit. Refer to <u>SR-30, "COUPE : E</u> procedure. Refer to <u>SRC-181, "DTC Log</u>		

Is DTC detected?

# SRC-181

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## B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

YES >> GO TO 1. NO >> INSPECTION END

## B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

#### < DTC/CIRCUIT DIAGNOSIS >

# B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621777

#### DTC DETECTION LOGIC

DTC	Diaplay contents of		
D1011	Display contents of CONSULT	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
тс со	NFIRMATION PROC	CEDURE	
.CHEC	K SELF-DIAG RESUL	Т	
. Turn	CONSULT ignition switch ON. rrm "AIR BAG" Self Dia	agnostic Result.	
🜒 Withou . Turn	ut CONSULT ignition switch ON.	lamp status. Refer to <u>SRC-173, "Diagnos</u>	sis with Air Bag Warning Lamp".
RS does <u>s malfun</u> YES :	ctioning part detected >> Refer to <u>SRC-183,</u>	"Diagnosis Procedure".	the user mode.
	>> INSPECTION END		
nagnos	sis Procedure		INFOID:000000007621778
or more	servicing, turn igniti e. (To discharge bacl	on switch OFF, disconnect battery neg kup capacitor.) er or other measuring device.	gative terminal, and wait 3 minutes
	K HARNESS CONNE	-	
the ins	e harness connector. Dection result normal? >> GO TO 2.		
NO :	> Replace harness c K WIRING HARNESS		
	e wiring harness exter pection result normal?		

2. Perform DTC confirmation procedure. Refer to <u>SRC-183, "DTC Logic"</u>

Is DTC detected?

# SRC-183

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# B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

YES >> GO TO 1. NO >> INSPECTION END

# B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

#### < DTC/CIRCUIT DIAGNOSIS >

# B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

## Description

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System, and transmits malfunction information to air bag diagnosis sensor unit.

## DTC Logic

INFOID:000000007621780

INFOID:000000007621781

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Occupant Classification System control unit is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in Occupant Classification System control unit</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	
	NFIRMATION PROC			
With C				

- 2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.
   NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

YES >> Refer to <u>SRC-185, "Diagnosis Procedure"</u>. NO >> INSPECTION END

Diagnosis Procedure

WARNING:
Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)

• Never use unspecified tester or other measuring device.

#### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-185, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

## **SRC-185**

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# B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

NO >> INSPECTION END

4. REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

- Replace passenger seat cushion assembly. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-185, "DTC Logic"</u>.

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

# B1018 OCCUPANT SYSTEM SENSOR

## Description

Occupant Classification System sensor detects occupant in passenger seat and transmits it to Occupant Classification System control unit.

## DTC Logic

INFOID:000000007621783

INFOID:000000007621782

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1018	OCCUPANT SENS [UNIT FAIL]	Occupant Classification System sensor is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in Occupant Classification System sensor</li> <li>Malfunction in Occupant Classification System control unit</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC C	ONFIRMATION PR	OCEDURE		F
1.сн	ECK SELF-DIAG RES	ULT		
<ol> <li>Tu</li> <li>Pe</li> <li>With</li> <li>Tu</li> <li>Tu</li> <li>Ch</li> </ol>	nout CONSULT rn ignition switch ON. neck the air bag warnir	Diagnostic Result with CONS		G SR
NOTE: SRS de		nosis mode if no malfunction	is detected in the user mode.	1
	unctioning part detect			
YES NO	>> Refer to <u>SRC-18</u> >> INSPECTION E	8 <u>7, "Diagnosis Procedure"</u> . ND		J
Diagr	osis Procedure		INFOID:000000007621784	
or m	re servicing, turn igi ore. (To discharge ba		ect battery negative terminal, and wait 3 minutes vice.	K
	NOSTIC PROCEDU	_		
1.сн	ECK HARNESS CON	NECTOR		M
Check	the connection of har	ness connector.		
<u>Is the i</u> YES NO	nspection result norm >> GO TO 2. >> Replace harness			Ν
2.сн	ECK WIRING HARNE	SS		0
	the wiring harness ex			0
YES NO	nspection result norm >> GO TO 3. >> Replace wiring h	harness.		Ρ
		GNOSIS SENSOR UNIT		
2. Pe		is sensor unit. Refer to <u>SR-3(</u> on procedure. Refer to <u>SRC-1</u>		

YES >> GO TO 4.

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# **B1018 OCCUPANT SYSTEM SENSOR**

< DTC/CIRCUIT DIAGNOSIS >

NO >> INSPECTION END

4. REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT AND SENSOR

- Replace passenger seat cushion assembly. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-187, "DTC Logic"</u>.

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

## **B1022 OCCUPANT SYSTEM CONTROL UNIT**

#### < DTC/CIRCUIT DIAGNOSIS >

# **B1022 OCCUPANT SYSTEM CONTROL UNIT**

## Description

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification В System, and transmits malfunction information to air bag diagnosis sensor unit.

# **DTC Logic**

INFOID:000000007621786

## DTC DETECTION LOGIC

B1022       OCCUPANT SENS C/U [COMM FAIL]       • Internal mathematication of Occupant Classification in Occupant Classification System Classification System control unit and Air bag diagnosis sensor unit • Mathematication of Air bag diagnosis sensor unit       • Disconnection of wiring harmess • Mathematication System • Mathematication of Air bag diagnosis sensor unit       • Mathematication System • Mathematication System • Mathematication of Air bag diagnosis sensor unit       • Mathematication System • Mathematication System • Mathematication System • Mathematication of Air bag diagnosis sensor unit       • Mathematication System • Mathematication System • Mathematication System • Mathematication • Mathema	DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
1.CHECK SELF-DIAG RESULT       G         With CONSULT       1. Turn ignition switch ON.       SR         2. Perform "AIR BAG" Set Diagnostic Result with CONSULT.       SR         Without CONSULT       1. Turn ignition switch ON.       Image: Constraint of Constraints of Constrating Constraints of Constraints of Constratio	B1022		<ul> <li>fication Sytem control unit</li> <li>Malfunction of circuit between Occupant Classification Sytem control unit and Air bag diagnosis sensor unit</li> <li>Malfunction of Air bag diagnosis sensor</li> </ul>	<ul> <li>Malfunction in Occupant Classification System control unit</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
1. CHECK SELF-DIAG RESULT         (1) With CONSULT         1. Turn ignition switch ON.         2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.         (2) Without CONSULT         1. Turn ignition switch ON.         2. Check the air bag warning lamp status. Refer to SRC-173. "Diagnosis with Air Bag Warning Lamp".         NOTE:         SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.         Is malfunctioning part detected?         YES >> Refer to SRC-189. "Diagnosis Procedure".         NO >> INSPECTION END         Diagnosis Procedure <i>wareauserserver</i> WARNING:         • Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)         • Never use unspecified tester or other measuring device.         DIAGNOSTIC PROCEDURE         1.check the connection of harness connector.         Is the inspection result normal?         YES >> GO TO 2.         NO >> Replace harness connectors.         2.check the wiring harness externals.         Is the inspection result normal?         YES >> GO TO 3.         NO >> Replace wiring harness.         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	DTC CC	NFIRMATION PRO	CEDURE	
1. Turn ignition switch ON.       SR         2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.       Without CONSULT         1. Turn ignition switch ON.       2. Check the air bag warning lamp status. Refer to SRC-173. "Diagnosis with Air Bag Warning Lamp".         NOTE:       SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.       J         Is malfunctioning part detected?       J         YES >> Refer to SRC-189. "Diagnosis Procedure".       J         NO >> INSPECTION END       more conconcentration is switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)       K         Paerone. (To discharge backup capacitor.)       M         PLAGNOSTIC PROCEDURE       M         1. check the connection of harness connector.       Is the inspection result normal?         YES >> GO TO 2.       NO         NO >> Replace harness externals.       S         Is the inspection result normal?       YES >> GO TO 3.         NO >> Replace wiring harness.       A         Or >> Replace wiring harness.       P         S. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT       P	<b>1.</b> CHEC	K SELF-DIAG RESU	LT	(
<ul> <li>2. Check the air bag warning lamp status. Refer to <u>SRC-173. "Diagnosis with Air Bag Warning Lamp"</u>. NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected? YES &gt;&gt; Refer to <u>SRC-189. "Diagnosis Procedure"</u>. NO &gt;&gt; INSPECTION END Diagnosis Procedure WARNING: • Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.) • Never use unspecified tester or other measuring device. DIAGNOSTIC PROCEDURE 1. CHECK HARNESS CONNECTOR Check the connection of harness connector. Is the inspection result normal? YES &gt;&gt; GO TO 2. NO &gt;&gt; Replace harness externals. Is the inspection result normal? YES &gt;&gt; GO TO 3. NO &gt;&gt; Replace wiring harness. 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT</li> </ul>	<ol> <li>Turn</li> <li>Perfo</li> <li>Witho</li> </ol>	ignition switch ON. orm "AIR BAG" Self D ut CONSULT	iagnostic Result with CONSULT.	S
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.       J         Is malfunctioning part detected?       YES >> Refer to SRC-189, "Diagnosis Procedure".         NO >> INSPECTION END       Model of the servicing of the service of the servicing of the service of the servicing of the service of the ser	2. Cheo		lamp status. Refer to <u>SRC-173, "Dia</u>	agnosis with Air Bag Warning Lamp".
YES       >> Refer to SRC-189, "Diagnosis Procedure".       NO       >> INSPECTION END         Diagnosis Procedure       weatcoccccccccccccccccccccccccccccccccccc		es not enter the diagno	osis mode if no malfunction is detecte	ed in the user mode.
NO       >> INSPECTION END       MFORE         Diagnosis Procedure       MFORE         • Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)       I         • Never use unspecified tester or other measuring device.       M         DIAGNOSTIC PROCEDURE       M         1.check HARNESS CONNECTOR       M         Check the connection of harness connector.       N         Is the inspection result normal?       YES         YES       > GO TO 2.         NO       >> Replace harness connectors.         2.check WIRING HARNESS       O         Check the wiring harness externals.       Is the inspection result normal?         YES       > GO TO 3.         NO       >> Replace wiring harness.         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT		• ·		
Diagnosis Procedure       WARNING:         • Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)       L         • Never use unspecified tester or other measuring device.       M         DIAGNOSTIC PROCEDURE       M         1. CHECK HARNESS CONNECTOR       M         Check the connection of harness connector.       N         Is the inspection result normal?       YES         YES       >> GO TO 2.         NO       >> Replace harness externals.         Let the inspection result normal?       YES         YES       >> GO TO 3.         NO       >> Replace wiring harness.         3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT				
<ul> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> <li>DIAGNOSTIC PROCEDURE</li> <li>1.CHECK HARNESS CONNECTOR</li> <li>Check the connection of harness connector.</li> <li>Is the inspection result normal?</li> <li>YES &gt;&gt; GO TO 2.</li> <li>NO &gt;&gt; Replace harness connectors.</li> <li>CHECK WIRING HARNESS</li> <li>Check the wiring harness externals.</li> <li>Is the inspection result normal?</li> <li>YES &gt;&gt; GO TO 3.</li> <li>NO &gt;&gt; Replace wiring harness.</li> <li>REPLACE AIR BAG DIAGNOSIS SENSOR UNIT</li> </ul>	Diagno	sis Procedure		
DIAGNOSTIC PROCEDURE          1.CHECK HARNESS CONNECTOR         Check the connection of harness connector.         Is the inspection result normal?         YES       >> GO TO 2.         NO       >> Replace harness connectors.         2.CHECK WIRING HARNESS         Check the wiring harness externals.         Is the inspection result normal?         YES       >> GO TO 3.         NO       >> Replace wiring harness.         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	<ul> <li>Before or mor</li> </ul>	e servicing, turn ignit e. (To discharge bac	kup capacitor.)	
Check the connection of harness connector.       N         Is the inspection result normal?       YES >> GO TO 2.         NO >> Replace harness connectors.       O <b>2.</b> CHECK WIRING HARNESS       O         Check the wiring harness externals.       P         Is the inspection result normal?       YES >> GO TO 3.         NO >> Replace wiring harness. <b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	DIAGNO	STIC PROCEDUR	E	I
Is the inspection result normal?         YES       >> GO TO 2.         NO       >> Replace harness connectors.         2.CHECK WIRING HARNESS         Check the wiring harness externals.         Is the inspection result normal?         YES       >> GO TO 3.         NO       >> Replace wiring harness.         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	<b>1.</b> CHEC	K HARNESS CONNE	ECTOR	
YES       >> GO TO 2.       O         NO       >> Replace harness connectors.       O         2.CHECK WIRING HARNESS       Check the wiring harness externals.       P         Is the inspection result normal?       YES       >> GO TO 3.         NO       >> Replace wiring harness.       O         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT       O	Check th	e connection of harne	ess connector.	
NO       >> Replace harness connectors.       O         2.CHECK WIRING HARNESS       Check the wiring harness externals.       P         Is the inspection result normal?       YES       >> GO TO 3.         NO       >> Replace wiring harness.       3.         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT       O		•	?	
2.CHECK WIRING HARNESS         Check the wiring harness externals.         Is the inspection result normal?         YES       >> GO TO 3.         NO       >> Replace wiring harness.         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT			connectors.	(
Is the inspection result normal?         YES       >> GO TO 3.         NO       >> Replace wiring harness.         3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	•	•		
YES >> GO TO 3. NO >> Replace wiring harness. <b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	Check th	e wiring harness exte	rnals.	
NO >> Replace wiring harness. 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT		•	?	
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT			rness.	
	-			
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u> .				E : Exploded View".

Perform DTC confirmation procedure. Refer to SRC-189, "DTC Logic". 2.

## **SRC-189**

INFOID:000000007621785

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# **B1022 OCCUPANT SYSTEM CONTROL UNIT**

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 4. NO >> INSPECTION END

4. CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

- 1. Replace passenger seat cushion assembly. Refer to <u>SE-67, "Exploded View"</u>.
- Perform DTC confirmation procedure. Refer to <u>SRC-189, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# **B1023 PASSENGER AIR BAG OFF INDICATOR**

#### < DTC/CIRCUIT DIAGNOSIS >

# B1023 PASSENGER AIR BAG OFF INDICATOR

## Description

Illuminates passenger air bag OFF indicator when the passenger seat is empty or occupied by a child or a child-seat.

## DTC Logic

INFOID:000000007621789

INFOID:000000007621788

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Passenger air bag OFF indicator circuit is open or shorted to ground or the cir- cuits are shorted each other	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in passenger air bag OFF indicator</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CO	ONFIRMATION PRO	DCEDURE		
<b>1.</b> CHE	CK SELF-DIAG RESU	JLT		F
1. Turi 2. Per	CONSULT n ignition switch ON. form "AIR BAG" Self E out CONSULT	Diagnostic Result with CONSULT.		G
1. Tur	n ignition switch ON.	g lamp status. Refer to <u>SRC-173,</u>	"Diagnosis with Air Bag Warning Lamp".	SR
	es not enter the diagn	osis mode if no malfunction is de	tected in the user mode.	
<u>Is malfu</u>	nctioning part detected			
YES NO	>> Refer to <u>SRC-191</u> >> INSPECTION EN	<u>, "Diagnosis Procedure"</u> . D		
-	osis Procedure	-	INFOID:00000007621790	J
or mo	e servicing, turn igni ore. (To discharge ba		attery negative terminal, and wait 3 minutes	K
DIAGN	OSTIC PROCEDUR	E		L
<b>1.</b> CHE	CK HARNESS CONN	ECTOR		
Check t	he connection of harne	ess connector.		M
	spection result normal	<u> ?</u>		
YES NO	>> GO TO 2. >> Replace harness	connectors		Ν
~	CK WIRING HARNES			
Check t	he wiring harness exte	ernals.		0
Is the in	spection result normal	<u> ?</u>		
YES NO	>> GO TO 3. >> Replace wiring ha			D
-		NOSIS SENSOR UNIT		Ρ
		s sensor unit. Refer to <u>SR-30, "CC</u>	UIPE : Exploded View"	
		n procedure. Refer to <u>SRC-191, "</u>		
	detected?			
VEC				

YES >> GO TO 4. NO >> INSPECTION END А

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[ROADSTER]

# 4. CHECK PASSENGER AIR BAG OFF INDICATOR

- 1. Replace passenger air bag OFF indicator.
- 2. Perform DTC confirmation procedure. Refer to SRC-191, "DTC Logic".

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

# B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

#### < DTC/CIRCUIT DIAGNOSIS >

# B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

## Description

Occupant Classification System sensor detects occupant in passenger seat and transmits it to Occupant Classification System control unit.

# **DTC Logic**

#### DTC DETECTION LOGIC

Display contents of

DTC	CONSULT	DTC detecting condition	Possible cause	D
B1025 B1032 B1048	OCS SENSOR	<ul> <li>Internal malfunction of Occupant Classification Sytem control unit</li> <li>Malfunction of circuit between Occupant Classification Sytem control unit and Air bag diagnosis sensor unit</li> <li>Malfunction of Air bag diagnosis sensor unit</li> </ul>	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in Occupant Classification System control unit</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CON	NFIRMATION PROC	CEDURE		
<b>1.</b> CHEC	K SELF-DIAG RESUL	Т		G
2. Perfor	gnition switch ON.	agnostic Result with CONSULT.		SRC
2. Check NOTE:		amp status. Refer to <u>SRC-173, "Diac</u>		
	not enter the diagnos	sis mode if no malfunction is detected	d in the user mode.	J
YES >	> Refer to <u>SRC-193.</u>	<u>"Diagnosis Procedure"</u> .		
	> INSPECTION END			Κ
Diagnos	sis Procedure		INFOID:000000007621793	
or more	servicing, turn igniti . (To discharge back		negative terminal, and wait 3 minutes	L
	STIC PROCEDURE	-		M
1.CHEC	K HARNESS CONNE	CTOR		
	connection of harnes	s connector.		Ν
	ection result normal? > GO TO 2.			
NO >	Replace harness co			0
-	K WIRING HARNESS			
	wiring harness extern			Ρ
•	ection result normal? -> GO TO 3.			
NO >	Replace wiring harr			
<b>3.</b> REPLA	CE AIR BAG DIAGN	OSIS SENSOR UNIT		

- 1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View". 2.
  - Perform DTC confirmation procedure. Refer to SRC-193, "DTC Logic".

## **SRC-193**

[ROADSTER]

INFOID:000000007621792

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INFOID:000000007621791

# B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

- 1. Replace passenger seat cushion assembly. Refer to <u>SE-67, "Exploded View"</u>.
- Perform DTC confirmation procedure. Refer to <u>SRC-193, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

# B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# **DTC Logic**

INFOID:000000007621795

INFOID:000000007621794

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### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

# **1.**CHECK SELF-DIAG RESULT

CHECK SELF-DIAG RESULI	
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> <li>Perform "AIR BAG" Self Diagnostic Result.</li> </ul>	SRC
<ul> <li>Without CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ul>	I
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected?	J
YES >> Refer to <u>SRC-195, "Diagnosis Procedure"</u> . NO >> INSPECTION END	Κ
Diagnosis Procedure	
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> <li>CHECK HARNESS CONNECTOR</li> </ul>	Μ
Check the harness connector.	Ν
Is the inspection result normal?         YES       >> GO TO 2.         NO       >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals. <u>Is the inspection result normal?</u> YES >> GO TO 3. NO >> Replace wiring harness. <b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	Ρ
<ol> <li>Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.</li> </ol>	

2. Perform DTC confirmation procedure. Refer to SRC-195, "DTC Logic".

# SRC-195

## B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

# B1033, B1034 CRASH ZONE SENSOR

## Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

## DTC Logic

INFOID:000000007621798

INFOID:000000007621797

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	Crash zone sensor is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in crash zone sensor</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
DTC CO	NFIRMATION PROC	CEDURE	
<b>1.</b> CHEC	K SELF-DIAG RESUL	Т	
2. Perfo	ONSULT ignition switch ON. rm "AIR BAG" Self Dia it CONSULT ignition switch ON.	agnostic Result.	
2. Chec		amp status. Refer to <u>SRC-173, "D</u>	iagnosis with Air Bag Warning Lamp".
NOTE:	s not enter the diagnos	sis mode if no malfunction is detec	ted in the user mode
	ctioning part detected?		
YES :		"Diagnosis Procedure".	
Diagno	sis Procedure		INFOID:000000007621799
or more • Never u	e. (To discharge back	kup capacitor.) r or other measuring device.	ery negative terminal, and wait 3 minutes
		CTOR	
	e harness connector. Dection result normal?		
	>> GO TO 2.		
-	>> Replace harness co		
2.chec	K WIRING HARNESS		
Check the	e wiring harness exteri	nals.	
Is the ins	pection result normal?		
	>> GO TO 3.		
•	>> Replace wiring har		
	ACE AIR BAG DIAGN		
		sensor unit. Refer to <u>SR-30, "COU</u> procedure. Refer to <u>SRC-197, "DT</u>	
<u>ls DTC de</u>	etected?		
	>> GO TO 4. >> INSPECTION END		

**4.**REPLACE CRASH ZONE SENSOR

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[ROADSTER]

- 1. Replace crash zone sensor. Refer to <u>SR-26, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-197, "DTC Logic".

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

# **B1035 CRASH ZONE SENSOR**

## Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal onlision that is more than the specified limit is detected.

## DTC Logic

INFOID:000000007621801

INFOID:000000007621800

#### DTC DETECTION LOGIC

	Display contents of		
DTC	CONSULT	DTC detecting condition	Possible cause
B1035	CRASH ZONE SEN [COMM FAIL]	Crash zone sensor is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in crash zone sensor</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
DTC CC	ONFIRMATION PRO	CEDURE	
<b>1.</b> CHE	CK SELF-DIAG RESU	ILT	
<ol> <li>Turr</li> <li>Perf</li> <li>Witho</li> <li>Turr</li> <li>Che</li> </ol>	CONSULT n ignition switch ON. form "AIR BAG" Self E out CONSULT n ignition switch ON. eck the air bag warning	Diagnostic Result. g lamp status. Refer to <u>SRC-173. "Diag</u>	nosis with Air Bag Warning Lamp".
NOTE:	es not enter the diago	osis mode if no malfunction is detected	in the user mode
	nctioning part detected		in the user mode.
YES NO	• •	, "Diagnosis Procedure".	
Diagno	osis Procedure		INF0ID:00000007621802
or mo • Never	re. (To discharge bad	ckup capacitor.) ter or other measuring device.	negative terminal, and wait 3 minutes
	ne harness connector.		
	spection result normal		
YES NO	>> GO TO 2. >> Replace harness		
<b>^</b>	CK WIRING HARNES		
Check th	ne wiring harness exte	ernals.	
Is the ins	spection result normal	<u>?</u>	
YES	>> GO TO 3.		
NO	>> Replace wiring ha		
J.REPL	LACE AIR BAG DIAG	NOSIS SENSOR UNIT	
		s sensor unit. Refer to <u>SR-30, "COUPE</u> n procedure. Refer to <u>SRC-199, "DTC L</u>	
	detected?		
YES NO	>> GO TO 4. >> INSPECTION EN	D	

**4.**REPLACE CRASH ZONE SENSOR

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## **B1035 CRASH ZONE SENSOR**

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace crash zone sensor. Refer to <u>SR-26, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-199, "DTC Logic".

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

# **B1036 CRASH ZONE SENSOR**

## Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

## DTC Logic

INFOID:000000007621804

INFOID:000000007621805

INFOID:000000007621803

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1036	CRASH ZONE SEN [UNMATCH]	Crash zone sensor is out of the specified speci- fication	Diagnosis sensor unit or crash zone sensor is different from the part specified
	ONFIRMATION PRO		
1. Turn 2. Perf	CONSULT i ignition switch ON. orm "AIR BAG" Self D	Diagnostic Result.	

Nithout CONSULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to <u>SRC-201, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
 Never use unspecified tester or other measuring device.

 CHECK HARNESS CONNECTOR
 Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-201, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

**4.**REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to SR-26, "Exploded View".

[ROADSTER]

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2. Perform DTC confirmation procedure. Refer to <u>SRC-201, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

B1037, B1039, B1041 CRASH ZONE SENSOR	
< DTC/CIRCUIT DIAGNOSIS >	[R0

# B1037, B1039, B1041 CRASH ZONE SENSOR

# Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

# DTC Logic

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1037 B1039 B1041	CRASH ZONE SENS1	Crash zone sensor is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in crash zone sensor</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### With CONSULT

- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES	>> Refer to <u>SRC-203, "Diagnosis Procedure"</u> .

NO >> INSPECTION END

**Diagnosis Procedure** 

#### WARNING:

Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
 Never use unspecified tester or other measuring device.

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-203, "DTC Logic".

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

**4.**REPLACE CRASH ZONE SENSOR

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INFOID:000000007621807

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## B1037, B1039, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace crash zone sensor. Refer to <u>SR-26, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-203, "DTC Logic".

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# **DTC Logic**

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# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

# 1.CHECK SELF-DIAG RESULT

I CHECK SELF-DIAG RESULI	
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> </ul>	SRC
<ol> <li>Perform "AIR BAG" Self Diagnostic Result.</li> <li>Without CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ol>	I
<b>NOTE:</b> SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-205. "Diagnosis Procedure"</u> . NO >> INSPECTION END	Κ
Diagnosis Procedure	
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> </ul>	L
1.CHECK HARNESS CONNECTOR	
Check the harness connector. <u>Is the inspection result normal?</u> YES >> GO TO 2.	Ν
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	Р
Is the inspection result normal?         YES       >> GO TO 3.         NO       >> Replace wiring harness.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit, Refer to SR-30, "COUPE : Exploded View".	

2. Perform DTC confirmation procedure. Refer to SRC-205, "DTC Logic".

# SRC-205

## B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

# B1049, B1054 DRIVER AIR BAG MODULE

## Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

## DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

1. Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 2. SRC 🕅 Without CONSULT Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected? YES >> Refer to SRC-207, "Diagnosis Procedure". >> INSPECTION END NO **Diagnosis** Procedure INFOID:000000007621814

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.

3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

# SRC-207

#### 2012 370Z

INFOID:000000007621812

# B1049, B1054 DRIVER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Driver air l	bag module	Combination switch (spiral cable)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M302 M301	10		28		
	W302	11	M35	30	Existed
	12	10155	29	LAISIEU	
	9		30		

4. Check continuity between driver air bag module harness connector and ground.

Driver side air bag module		Continuity	
Connector	Terminal		Continuity
M302 M301	10	Ground	
	11		Not existed
	12		NOT EXISTED
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-17, "Exploded View"</u>.

**4.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-207, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

## **5.**REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-14, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-207, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1050, B1055 DRIVER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC** Logic

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Е

#### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 2. SRC 🕅 Without CONSULT Turn ignition switch ON. 1. Check the air bag warning lamp status. Refer to SRC-173, "Diagnosis with Air Bag Warning Lamp". 2. NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected? YES >> Refer to SRC-209, "Diagnosis Procedure". NO >> INSPECTION END Diagnosis Procedure INFOID:000000007621817 Κ WARNING: Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.) L Never use unspecified tester or other measuring device. **1.**CHECK HARNESS CONNECTOR M Check the harness connector. Is the inspection result normal? YES >> GO TO 2. Ν

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

**3.**CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.

3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

# SRC-209

INFOID:000000007621815

# B1050, B1055 DRIVER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Driver air bag module		Combination switch (spiral cable)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M302 M301	10		28		
	101302	11	M35	30	Existed
	12	INISS	29	LAISIEU	
	9		30		

4. Check continuity between driver air bag module harness connector and ground.

Driver side a	Driver side air bag module		Continuity
Connector	Terminal		Continuity
M302 M301	10	Ground	
	11		Not existed
	12		NOT EXISTED
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-17, "Exploded View"</u>.

**4.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-209, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

## **5.**REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-14, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-209, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1051, B1056 DRIVER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC** Logic

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## DTC DETECTION LOGIC

	DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
-	B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

## DTC CONFIRMATION PROCEDURE

### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-211, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## **Diagnosis Procedure**

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

# SRC-211

[ROADSTER]

INFOID:000000007621818

# B1051, B1056 DRIVER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Driver air b	bag module	Combination switch (spiral cable)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M302	10		28		
	101302	11	M35	30	Existed
M301	12		29	LAISIEU	
	9		30		

4. Check continuity between driver air bag module harness connector and ground.

Driver side air bag module			Continuity
Connector	Terminal	- Ground	Continuity
M302	10		
	11		Not existed
M301	12		NOT EXISTED
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-17, "Exploded View"</u>.

**4.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-211, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

## **5.**REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-14, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-211, "DTC Logic"</u>.

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

# B1052, B1057 DRIVER AIR BAG MODULE

## Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-213</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

# SRC-213

[ROADSTER]

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# B1052, B1057 DRIVER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Driver air l	bag module	Combination switch (spiral cable)		Combination switch (spiral cable) Continuity		Continuity
Connector	Terminal	Connector	Terminal	Continuity		
M302	10		28			
	101302	11	M35	30	Existed	
M301	12	- 1000	29	LAISIEU		
	9		30			

4. Check continuity between driver air bag module harness connector and ground.

Driver side air bag module			Continuity
Connector	Terminal		Continuity
M302	10	Ground	
	11		Not existed
M301	12		NOT EXISTED
	9	1	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-17, "Exploded View"</u>.

**4.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-213, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

## **5.**REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-14, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-213, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

#### B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT [ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

# B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

# 1 ALEAK OF F DIAG DEGULT

I .CHECK SELF-DIAG RESULI	
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> </ul>	SRC
<ol> <li>Perform "AIR BAG" Self Diagnostic Result.</li> <li>Without CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-173</u>, "Diagnosis with Air Bag Warning Lamp".</li> </ol>	Ι
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected?	J
YES >> Refer to <u>SRC-215, "Diagnosis Procedure"</u> . NO >> INSPECTION END	Κ
Diagnosis Procedure	
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> <li>CHECK HARNESS CONNECTOR</li> </ul>	Μ
Check the harness connector.	Ν
Is the inspection result normal?         YES       >> GO TO 2.         NO       >> Replace harness connectors.         2       OUF OK MUDINO HARNESO	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals. <u>Is the inspection result normal?</u> YES >> GO TO 3. NO >> Replace wiring harness. <b>2</b>	Ρ
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
<ol> <li>Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.</li> </ol>	

Perform DTC confirmation procedure. Refer to SRC-215, "DTC Logic". 2.

Revision: 2011 August

# **SRC-215**

## B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

## B1065, B1070 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

## B1065, B1070 PASSENGER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC Logic**

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#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	-
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
_	FIRMATION PROC			F
1.CHECK	SELF-DIAG RESULT	Г		
With CC				G
	nition switch ON.	anastic Desult		
~	n "AIR BAG" Self Dia	gnostic Result.		
	CONSULT			SRC
	nition switch ON.			
2. Check	the air bag warning la	amp status. Refer to <u>SRC-173, "Diac</u>	<u>nosis with Air Bag Warning Lamp"</u> .	
NOTE:				

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

YES >> Refer to <u>SRC-217, "Diagnosis Procedure"</u>. NO >> INSPECTION END

## Diagnosis Procedure

Diagnosis Procedure	INFOID:000000007621829
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and v minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> </ul>	K wait at least 3
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	M
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connector.	Ν
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	
Is the inspection result normal?	0
YES >> GO TO 3.	
NO >> Replace wiring harness.	P
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	F

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-217, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-217

INFOID:000000007621827

[ROADSTER]

# 4.REPLACE PASSENGER AIR BAG MODULE

Replace passenger air bag module. Refer to <u>SR-20, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-217, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1066, B1071 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

## B1066, B1071 PASSENGER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC Logic**

INFOID:000000007621831

INFOID:000000007621832

### DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause	
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.
   NOTE:
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-219</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

WARNING:	

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

#### Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30. "COUPE : Exploded View".

Perform DTC confirmation procedure. Refer to <u>SRC-219, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-219

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[ROADSTER]

# 4.REPLACE PASSENGER AIR BAG MODULE

Replace passenger air bag module. Refer to <u>SR-20, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-219, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1067, B1072 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

## B1067, B1072 PASSENGER AIR BAG MODULE

### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC** Logic

INFOID:000000007621834

### DTC DETECTION LOGIC

				D
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CO	NFIRMATION PROC	CEDURE		F
<b>1.</b> CHEC	K SELF-DIAG RESUL	T		
<ol> <li>Turn</li> <li>Perfo</li> <li>Without</li> </ol>	CONSULT ignition switch ON. orm "AIR BAG" Self Dia ut CONSULT ignition switch ON.	agnostic Result.		G SRO
		lamp status. Refer to <u>SRC-173, "</u>	Diagnosis with Air Bag Warning Lamp".	
-	s not enter the diagnos	sis mode if no malfunction is dete	cted in the user mode.	
	ctioning part detected?			
	>> Refer to <u>SRC-221,</u> >> INSPECTION END	"Diagnosis Procedure".		J
	sis Procedure			
Diagno	SIST TOCEDUIE		INFOID:000000007621835	K
minute • Never u	servicing, turn igniti s or more. (To discha	arge backup capacitor.) er or other measuring device.	tery negative terminal, and wait at least 3	L
	e harness connector.			M
	<u>section result normal?</u> > GO TO 2.			
	>> Replace harness co	onnector.		Ν
<b>2.</b> CHEC	K WIRING HARNESS	5		
Check the	e wiring harness extern	nals.		$\circ$
-	pection result normal?			0
	>> GO TO 3. >> Replace wiring harı	ness.		
-	ACE AIR BAG DIAGN			Ρ
1. Repla	ace air bag diagnosis s	sensor unit. Refer to <u>SR-30, "CO</u> procedure. Refer to <u>SRC-221, "D</u>		
Is DTC de				
-	>> GO TO 4. >> INSPECTION END			

Revision: 2011 August

## SRC-221

[ROADSTER]

INFOID:000000007621833

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[ROADSTER]

# 4.REPLACE PASSENGER AIR BAG MODULE

- Replace passenger air bag module. Refer to <u>SR-20, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-221, "DTC Logic"</u>. 1.
- 2.

- YES >> GO TO 1.
- >> INSPECTION END NO

## B1068, B1073 PASSENGER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

## B1068, B1073 PASSENGER AIR BAG MODULE

#### Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC** Logic

INFOID:000000007621837

### DTC DETECTION LOGIC

				D
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in passenger air bag module</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CON	FIRMATION PROCE	DURE		F
1.снеск	SELF-DIAG RESULT			
	nition switch ON. n "AIR BAG" Self Diag	nostic Result.		G
1. Turn ig	nition switch ON.			SR
2. Check NOTE:	the air bag warning lar	np status. Refer to <u>SRC-173, "Diag</u>	nosis with Air Bag Warning Lamp".	
	•	mode if no malfunction is detected	in the user mode.	
	ioning part detected?			
	<ul> <li>Refer to <u>SRC-223, "D</u></li> <li>INSPECTION END</li> </ul>	lagnosis Procedure.		J
Diagnosi	s Procedure		INFOID:000000007621838	
Ū				Κ
• Before so		switch OFF disconnect battery	negative terminal, and wait at least 3	
minutes	or more. (To discharg	ge backup capacitor.)		
	=	or other measuring device.		L
	HARNESS CONNECT	IOR		
	narness connector.			Μ
	GO TO 2.			
-	<ul> <li>Replace harness con</li> </ul>	nector.		Ν
2.снеск	WIRING HARNESS			
	wiring harness externa	ls.		0
	ection result normal?			0
	• GO TO 3. • Replace wiring harne	SS.		
•	CE AIR BAG DIAGNOS			Ρ
		nsor unit. Refer to <u>SR-30, "COUPE</u> ocedure. Refer to <u>SRC-223, "DTC L</u>		
Is DTC dete	•	<u>orio 220, pro 2</u>		
	GO TO 4. INSPECTION END			

Revision: 2011 August

## SRC-223

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[ROADSTER]

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[ROADSTER]

# 4.REPLACE PASSENGER AIR BAG MODULE

Replace passenger air bag module. Refer to <u>SR-20, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-223, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

#### B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT [ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

## B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT DTC detecting condition		Possible cause	
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

## 1 ALLEAK OFLE DIA O DECLIT

1.CHECK SELF-DIAG RESULT	
With CONSULT	SRC
<ol> <li>Turn ignition switch ON.</li> <li>Perform "AIR BAG" Self Diagnostic Result.</li> </ol>	
( P) Without CONSULT	1
1. Turn ignition switch ON.	I
2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u> .	
<b>NOTE:</b> SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-225, "Diagnosis Procedure"</u> .	
NO >> INSPECTION END	K
Diagnosis Procedure	21841
	L
WARNING:	
<ul> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at lease minutes or more. (To discharge backup capacitor.)</li> </ul>	
Never use unspecified tester or other measuring device.	M
1. CHECK HARNESS CONNECTOR	
Check the harness connector.	N
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1 Replace air bag diagnosis sensor unit Refer to SR-30, "COUPE : Exploded View"	

Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>. 1.

Perform DTC confirmation procedure. Refer to SRC-225, "DTC Logic". 2.

## **SRC-225**

### B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT [ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END

## B1080, B1096 DRIVER AIR BAG MODULE

## Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621843

INFOID-000000007621844

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in driver air bag module</li> <li>Malfunction in spiral cable</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

#### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 2. SRC 🕅 Without CONSULT Turn ignition switch ON. 1. Check the air bag warning lamp status. Refer to SRC-173, "Diagnosis with Air Bag Warning Lamp". 2. NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected? YES >> Refer to SRC-227, "Diagnosis Procedure". NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.

3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

## SRC-227

INFOID:000000007621842

## B1080, B1096 DRIVER AIR BAG MODULE

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Driver air l	pag module	Combination switch (spiral cable)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M302	10		28		
	11	M35	30	Existed	
M301	12		29	LAISIEU	
	9		30		

4. Check continuity between driver air bag module harness connector and ground.

Driver side a	ir bag module		Continuity
Connector	Terminal		Continuity
M302	10	Ground	
101302	11	Giouna	Not existed
M301	12		NOT EXISTED
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-17, "Exploded View"</u>.

**4.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-227, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

## **5.**REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-14, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-227, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

## **B1081 SEAT BELT PRE-TENSIONER RH**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1081 SEAT BELT PRE-TENSIONER RH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## **DTC** Logic

INFOID:000000007621846

### DTC DETECTION LOGIC

_			
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
этс со	NFIRMATION PRO	CEDURE	
1.снес	K SELF-DIAG RESUL	T	
1. Turn 2. Perfo Ø Witho 1. Turn 2. Cheo	CONSULT ignition switch ON. orm "AIR BAG" Self Dia ut CONSULT ignition switch ON. ck the air bag warning	agnostic Result. Iamp status. Refer to <u>SRC-173, "Diac</u>	gnosis with Air Bag Warning Lamp".
<b>NOTE:</b> SRS doe	s not enter the diagnos	sis mode if no malfunction is detected	d in the user mode.
	ctioning part detected		
		"Diagnosis Procedure".	
		)	
Jiagno	sis Procedure		INFOID:000000007621847
minute Never	s or more. (To discha	arge backup capacitor.) er or other measuring device.	y negative terminal, and wait at least 3
	e harness connector.		
	pection result normal?		
-	>> GO TO 2.		
~	>> Replace harness c K WIRING HARNESS		
	e wiring harness exter pection result normal?		
	>> GO TO 3.		
NO	>> Replace wiring har		
<b>3.</b> REPL	ACE AIR BAG DIAGN	OSIS SENSOR UNIT	
		sensor unit. Refer to <u>SR-14, "Explode</u> procedure. Refer to <u>SRC-229, "DTC</u>	
ls DTC d	etected?		
YES	>> GO TO 4.		

Revision: 2011 August

## SRC-229

[ROADSTER]

INFOID:000000007621845

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# **4.**REPLACE SEAT BELT PRE-TENSIONER

Replace seat belt pre-tensioner RH. Refer to <u>SR-34, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-229, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1082 SEAT BELT PRE-TENSIONER RH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## **DTC Logic**

INFOID:000000007621849

INFOID:000000007621850

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-231, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

WA	RN	IIN	<b>G</b> :		
	-			-	-

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Replace harness connector.
- 2. CHECK WIRING HARNESS

#### Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to <u>SRC-231, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

[ROADSTER]

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# **4.**REPLACE SEAT BELT PRE-TENSIONER

Replace seat belt pre-tensioner RH. Refer to <u>SR-34, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-231, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## **B1083 SEAT BELT PRE-TENSIONER RH**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1083 SEAT BELT PRE-TENSIONER RH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## DTC Logic

INFOID:000000007621852

INFOID:000000007621853

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### ( ) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.
   NOTE:
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-233, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

W	Α	R	Ν	IN	G	

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

- Is the inspection result normal?
- YES >> GO TO 2.
- NO >> Replace harness connector.

#### 2. CHECK WIRING HARNESS

#### Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to <u>SRC-233, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-233

[ROADSTER]

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# **4.**REPLACE SEAT BELT PRE-TENSIONER

Replace seat belt pre-tensioner RH. Refer to <u>SR-34, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-233, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## **B1084 SEAT BELT PRE-TENSIONER RH**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1084 SEAT BELT PRE-TENSIONER RH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## **DTC Logic**

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INFOID:000000007621856

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-235, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

WARNING:	
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- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

#### Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to <u>SRC-235, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-235

[ROADSTER]

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# **4.**REPLACE SEAT BELT PRE-TENSIONER

Replace seat belt pre-tensioner RH. Refer to <u>SR-34, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-235, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## **B1086 SEAT BELT PRE-TENSIONER LH**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1086 SEAT BELT PRE-TENSIONER LH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## **DTC** Logic

INFOID:000000007621858

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### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
DTC CC	<b>NFIRMATION PRO</b>	CEDURE	
<b>1.</b> CHEC	CK SELF-DIAG RESU	LT	
1. Turn 2. Perf 🕱 Witho	CONSULT i ignition switch ON. orm "AIR BAG" Self D out CONSULT i ignition switch ON.	iagnostic Result.	
2. Che		lamp status. Refer to SRC-173. "Dia	gnosis with Air Bag Warning Lamp".
NOTE: SRS doe	es not enter the diagno	osis mode if no malfunction is detecte	d in the user mode.
<u>Is malfur</u>	nctioning part detected	<u>1?</u>	
	>> Refer to <u>SRC-237</u> , >> INSPECTION END	, "Diagnosis Procedure".	
-			
Diagno			
Diagno	sis Procedure		INFOID:00000007621855
WARNIN	IG:		
• Before	IG: servicing, turn ignit		INFOID:00000007621859 y negative terminal, and wait at least 3
<ul> <li>WARNIN</li> <li>Before minute</li> <li>Never</li> </ul>	IG: e servicing, turn ignit es or more. (To disch use unspecified test	arge backup capacitor.) er or other measuring device.	
<ul> <li>WARNIN</li> <li>Before minute</li> <li>Never</li> </ul>	IG: servicing, turn ignites or more. (To disch	arge backup capacitor.) er or other measuring device.	
WARNIN • Before minute • Never 1.CHEC Check th	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE he harness connector.	arge backup capacitor.) er or other measuring device. ECTOR	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE he harness connector. spection result normal?	arge backup capacitor.) er or other measuring device. ECTOR	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE he harness connector.	arge backup capacitor.) er or other measuring device. ECTOR ?	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE he harness connector. spection result normal? >> GO TO 2.	arge backup capacitor.) er or other measuring device. ECTOR ? connector.	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO 2.CHEC	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE he harness connector. spection result normal? >> GO TO 2. >> Replace harness con	arge backup capacitor.) er or other measuring device. ECTOR ? connector.	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO 2.CHEC Check th	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE he harness connector. spection result normal? >> GO TO 2. >> Replace harness contector.	arge backup capacitor.) er or other measuring device. ECTOR ? connector. S rnals.	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO 2.CHEC Check th Is the ins YES	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE he harness connector. spection result normal? >> GO TO 2. >> Replace harness of CK WIRING HARNESS he wiring harness exten spection result normal? >> GO TO 3.	arge backup capacitor.) er or other measuring device. ECTOR ? connector. S rnals. ?	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO Check th Is the ins YES NO	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE e harness connector. spection result normal? >> GO TO 2. >> Replace harness con CK WIRING HARNESS e wiring harness extense spection result normal? >> GO TO 3. >> Replace wiring har	arge backup capacitor.) er or other measuring device. ECTOR ? connector. S rnals. ? rness.	
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO 2.CHEC Check th Is the ins YES NO 3.REPL	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE e harness connector. spection result normal? >> GO TO 2. >> Replace harness of CK WIRING HARNESS he wiring harness exter spection result normal? >> GO TO 3. >> Replace wiring har ACE AIR BAG DIAGN	arge backup capacitor.) er or other measuring device. ECTOR ? connector. S rnals. ? rness. NOSIS SENSOR UNIT	y negative terminal, and wait at least 3
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO 2.CHEC Check th Is the ins YES NO 3.REPL 1. Rep	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE e harness connector. spection result normal? >> GO TO 2. >> Replace harness of CK WIRING HARNESS e wiring harness exter spection result normal? >> GO TO 3. >> Replace wiring har ace air bag diagnosis	arge backup capacitor.) er or other measuring device. ECTOR ? connector. S rnals. ? rness. NOSIS SENSOR UNIT sensor unit. Refer to <u>SR-30. "COUP</u>	y negative terminal, and wait at least 3
WARNIN • Before minute • Never 1.CHEC Check th Is the ins YES NO 2.CHEC Check th Is the ins YES NO 3.REPL 1. Rep 2. Perfe	IG: e servicing, turn ignit es or more. (To disch use unspecified test CK HARNESS CONNE e harness connector. spection result normal? >> GO TO 2. >> Replace harness of CK WIRING HARNESS e wiring harness exter spection result normal? >> GO TO 3. >> Replace wiring har ace air bag diagnosis	arge backup capacitor.) er or other measuring device. ECTOR ? connector. S rnals. ? rness. NOSIS SENSOR UNIT	y negative terminal, and wait at least 3

NO >> INSPECTION END

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# 4.REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SR-34, "Removal and Installation"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-237, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

## **B1087 SEAT BELT PRE-TENSIONER LH**

#### < DTC/CIRCUIT DIAGNOSIS >

## B1087 SEAT BELT PRE-TENSIONER LH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## **DTC Logic**

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### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- () Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-239</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Replace harness connector.
- 2. CHECK WIRING HARNESS

#### Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to <u>SRC-239, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-239

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# 4.REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SR-34, "Removal and Installation"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-239, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

## **B1088 SEAT BELT PRE-TENSIONER LH**

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## DTC Logic

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### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	_
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
	VERMATION PROC	EDURE		F

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- Turn ignition switch ON. 1.
- Perform "AIR BAG" Self Diagnostic Result. 2.
- Without CONSULT
- Turn ignition switch ON. 1

Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. 2. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to SRC-241, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

WA	RN	IN	G:	

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- 1.CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Replace harness connector.
- 2.CHECK WIRING HARNESS

#### Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## ${f 3}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30. "COUPE : Exploded View".

Perform DTC confirmation procedure. Refer to SRC-241, "DTC Logic". 2.

#### Is DTC detected?

YES >> GO TO 4.

>> INSPECTION END NO

## **SRC-241**

[ROADSTER]

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INFOID:000000007621865

# **4.**REPLACE SEAT BELT PRE-TENSIONER

Replace seat belt pre-tensioner LH. Refer to <u>SR-34, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-241, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## B1089 SEAT BELT PRE-TENSIONER LH

## Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

## **DTC Logic**

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### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause		
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in seat belt pre-tensioner LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E	
DTC CONFIRMATION PROCEDURE 1. CHECK SELF-DIAG RESULT					
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> <li>Perform "AIR BAG" Self Diagnostic Result.</li> </ul>					
	t CONSULT	-		SRC	

Check the air bag warning lamp status. Refer to <u>SRC-173. "Diagnosis with Air Bag Warning Lamp"</u>.
 NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to <u>SRC-243</u>, "Diagnosis Procedure".

NO >> INSPECTION END

#### Diagnosis Procedure

WARNING:
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3
minutes or more (To discharge backup capacitor)

Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

#### Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to <u>SRC-243, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-243

INFOID:000000007621866

# **4.**REPLACE SEAT BELT PRE-TENSIONER

Replace seat belt pre-tensioner LH. Refer to <u>SR-34, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-243, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

#### B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT [ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

# B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621870

INFOID:000000007621869

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1090 B1091 B1092 B1093 B0194 B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

## 1 ALLEAK OFLE DIA O DECLIT

I .CHECK SELF-DIAG RESULI	
1. Turn ignition switch ON.	SRC
<ol> <li>Perform "AIR BAG" Self Diagnostic Result.</li> <li>Without CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-173</u>, "Diagnosis with Air Bag Warning Lamp".</li> </ol>	Ι
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected?	J
YES >> Refer to <u>SRC-245, "Diagnosis Procedure"</u> . NO >> INSPECTION END	Κ
Diagnosis Procedure	
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> <li>CHECK HARNESS CONNECTOR</li> </ul>	Μ
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2. NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals. Is the inspection result normal?	Ρ
YES >> GO TO 3. NO >> Replace wiring harness.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u> .	

Perform DTC confirmation procedure. Refer to SRC-245, "DTC Logic". 2.

Revision: 2011 August

## **SRC-245**

## B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

#### B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT [ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

## B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## DTC Logic

INFOID:000000007621873

INFOID:000000007621872

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

## 1 ALLEAK OFLE DIA O DECLIT

1.CHECK SELF-DIAG RESULT	
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> </ul>	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
Without CONSULT	I
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ol>	
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-247. "Diagnosis Procedure"</u> .	K
NO >> INSPECTION END	
Diagnosis Procedure	
	L
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3	
minutes or more. (To discharge backup capacitor.)	
<ul> <li>Never use unspecified tester or other measuring device.</li> </ul>	Μ
1. CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	D
Is the inspection result normal?	1
YES >> GO TO 3.	
NO >> Replace wiring harness.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1 Replace air bag diagnosis sensor unit Refer to SR-30. "COLIPE - Exploded View"	

Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>. 1.

Perform DTC confirmation procedure. Refer to SRC-247, "DTC Logic". 2.

## **SRC-247**

## B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

## B1113, B1114 SATELLITE SENSOR RH

## Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

## **DTC Logic**

INFOID:000000007621876

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### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	
	IFIRMATION PROC	-		
<b>1.</b> CHECK	SELF-DIAG RESUL	Г		
2. Perfor	gnition switch ON. m "AIR BAG" Self Dia	gnostic Result.		
1. Turn iq	CONSULT gnition switch ON. the air bag warning la	amp status. Refer to <u>SRC-173, "Dia</u>	gnosis with Air Bag Warning Lamp".	
	-	is mode if no malfunction is detected	d in the user mode.	
	tioning part detected?			
	NOT	<u>'Diagnosis Procedure"</u> .		
Diagnos	is Procedure		INFOID:000000007621877	
Ū				
• Before s		on switch OFF, disconnect batter	y negative terminal, and wait at least 3	
		rge backup capacitor.) r or other measuring device.		
	(HARNESS CONNE)	•		
	harness connector.			
	ection result normal?			
-	> GO TO 2.			
•	> Replace harness co	nnector.		
	WIRING HARNESS			
	Check the wiring harness externals. <u>Is the inspection result normal?</u>			
	> GO TO 3.			
	Replace wiring harn	ess.		
3.REPLA	CE AIR BAG DIAGNO	DSIS SENSOR UNIT		
		ensor unit. Refer to <u>SR-30, "COUPE</u>		
2. Perfor Is DTC det	•	procedure. Refer to <u>SRC-249, "DTC</u>	LOGIC .	
	> GO TO 4.			

NO >> INSPECTION END

INFOID:000000007621875

# **4.**REPLACE SATELLITE SENSOR

- 1. Replace satellite sensor RH. Refer to <u>SR-34, "Removal and Installation"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-249, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

## **B1115 SATELLITE SENSOR RH**

## Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

## **DTC Logic**

INFOID:000000007621879

2012 370Z

### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1115	SATELLITE SENS RH [COMM FAIL]	Satellite sensor RH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CO	NFIRMATION PRO	CEDURE		F
<b>1.</b> CHEC	K SELF-DIAG RESUL	T		
9	ONSULT			G
	ignition switch ON. rrm "AIR BAG" Self Di	agnostic Result.		
🕱 Withou	ut CONSULT			SR
	ignition switch ON.	lamp status. Refer to <u>SRC-173, "Dia</u>		50
NOTE:	k the all bag warning		ghosis with All bag Warning Lamp.	
	0	sis mode if no malfunction is detecte	d in the user mode.	
	ctioning part detected			
NO :	>> INSPECTION END	"Diagnosis Procedure".		J
Diagno	sis Procedure		INFOID:00000007621880	
0				K
• Never u	servicing, turn ignit s or more. (To discha	arge backup capacitor.) er or other measuring device.	y negative terminal, and wait at least 3	L
	e harness connector.			D.
	pection result normal?			N
-	>> GO TO 2.			
~	>> Replace harness c			Ν
	K WIRING HARNESS			
	Check the wiring harness externals. s the inspection result normal?			
	>> GO TO 3.	-		
	> Replace wiring har	ness.		_
3.REPL	ACE AIR BAG DIAGN	OSIS SENSOR UNIT		F
1. Repla	ace air bag diagnosis	sensor unit. Refer to <u>SR-30, "COUPI</u> procedure. Refer to <u>SRC-251, "DTC</u>	E : Exploded View".	
Is DTC de			<u></u>	
	>> GO TO 4.			

NO >> INSPECTION END

## SRC-251

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# **4.**REPLACE SATELLITE SENSOR

- Replace satellite sensor RH. Refer to <u>SR-28, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-251, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1116 SATELLITE SENSOR RH

# Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# DTC Logic

INFOID:000000007621882

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## DTC DETECTION LOGIC

DTC	Display contents of	DTC detecting condition	Possible cause
BIO	CONSULT		
B1116	SATELLITE SENS RH [UNMATCH]	Satellite sensor RH is out of the specified specification	Diagnosis sensor unit or satellite sensor RH is dif- ferent from the part specified
отс со	NFIRMATION PRO	CEDURE	
<b>1.</b> CHEC	K SELF-DIAG RESUI	_T	
With C			
	ignition switch ON. rm "AIR BAG" Self Di	agnostic Result	
🛞 Withou	ut CONSULT		
	ignition switch ON.	Jamp status Pofer to SPC 172 "Dia	anopic with Air Roa Marping Lomp"
2. Chec NOTE:	k the all bay warning	lamp status. Refer to <u>SRC-173, "Dia</u>	gnosis with Air bag warning Lamp.
SRS does	s not enter the diagno	sis mode if no malfunction is detecte	d in the user mode.
	ctioning part detected		
	>> Refer to <u>SRC-253,</u> >> INSPECTION END	<u>"Diagnosis Procedure"</u> .	
-			
Diagnos	sis Procedure		INFOID:000000007621883
• Never ι	s of more. (To discharge use unspecified teste K HARNESS CONNE	arge backup capacitor.) er or other measuring device. CTOR	
	e harness connector.		
	pection result normal?		
	>> GO TO 2.		
~	> Replace harness c		
Z.CHEC	K WIRING HARNESS	8	
	e wiring harness exter		
	pection result normal?	-	
	>> GO TO 3. >> Replace wiring har	ness	
		IOSIS SENSOR UNIT	
		sensor unit. Refer to <u>SR-30, "COUPI</u>	- : Exploded View"
<ol> <li>Repla</li> <li>Perfo</li> </ol>	rm DTC confirmation	procedure. Refer to <u>SR-30, COUP</u>	
<u>Is DTC de</u>			
	>> GO TO 4.		
NO :	>> INSPECTION END	)	

# **B1116 SATELLITE SENSOR RH**

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor RH. Refer to SR-28. "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-253, "DTC Logic".

- YES >> GO TO 1.
- NO >> INSPECTION END

# B1118, B1119 SATELLITE SENSOR LH

## Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# **DTC Logic**

INFOID:000000007621885

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## DTC DETECTION LOGIC

				$\cup$
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Е
DTC CO	NFIRMATION PRO	CEDURE		F
1.CHEC	K SELF-DIAG RESUL	_T		
(P) With C	ONSULT			G
1. Turn	ignition switch ON.	agnostic Decult		0
	rm "AIR BAG" Self Di at CONSULT	agnostic Result.		
1. Turn	ignition switch ON.			SR
2. Chec NOTE:	k the air bag warning	lamp status. Refer to <u>SRC-173, Dia</u>	agnosis with Air Bag Warning Lamp".	
	•	sis mode if no malfunction is detecte	ed in the user mode.	
	ctioning part detected	<u>?</u> "Diagnosis Procedure".		
	>> INSPECTION END			J
Diagnos	sis Procedure		INFOID:00000007621886	
-	_			К
• Before	-	ion switch OFF. disconnect batte	ry negative terminal, and wait at least 3	
minutes	s or more. (To discha	arge backup capacitor.)	,	I
	K HARNESS CONNE	er or other measuring device.		
		CTOR		
	e harness connector. Dection result normal?			Μ
	>> GO TO 2.	-		
~	> Replace harness c			Ν
	K WIRING HARNESS			
	e wiring harness exter			0
-	Dection result normal? > GO TO 3.	-		
	> Replace wiring har	ness.		
3.REPLA	ACE AIR BAG DIAGN	OSIS SENSOR UNIT		Ρ
1. Repla	ace air bag diagnosis	sensor unit. Refer to <u>SR-30, "COUP</u>	E : Exploded View".	
		procedure. Refer to <u>SRC-255, "DTC</u>	<u>Clogic"</u> .	
Is DTC de YES	>> GO TO 4.			

NO >> INSPECTION END

[ROADSTER]

# **4.**REPLACE SATELLITE SENSOR

- Replace satellite sensor LH. Refer to <u>SR-28, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-255, "DTC Logic"</u>

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1120 SATELLITE SENSOR LH

# Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# DTC Logic

INFOID:000000007621888

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1120	SATELLITE SENS LH [COMM FAIL]	Satellite sensor LH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CO	NFIRMATION PROC	CEDURE		F
<b>1.</b> CHEC	K SELF-DIAG RESUL	Т		
<ol> <li>Perfo</li> <li>Without</li> <li>Turn</li> </ol>	ignition switch ON. rm "AIR BAG" Self Dia ut CONSULT ignition switch ON.			G
-	s not enter the diagnos	sis mode if no malfunction is detec	ted in the user mode.	
	ctioning part detected			
		"Diagnosis Procedure".		
				J
Diagnos	sis Procedure		INFOID:00000007621889	
minute • Never u	servicing, turn igniti s or more. (To discha	arge backup capacitor.) er or other measuring device.	ery negative terminal, and wait at least 3	K
Check the	e harness connector.			M
Is the insp	pection result normal?			IVI
	>> GO TO 2. >> Replace harness co	annastar		
•	K WIRING HARNESS			Ν
	e wiring harness extern pection result normal?			0
	>> GO TO 3.			
	> Replace wiring hari	ness.		
3.REPL/	ACE AIR BAG DIAGN	OSIS SENSOR UNIT		Ρ
1. Repla 2. Perfo <u>Is DTC de</u>	ace air bag diagnosis s rm DTC confirmation	sensor unit. Refer to <u>SR-30, "COU</u> procedure. Refer to <u>SRC-257, "DT</u>		

NO >> INSPECTION END

[ROADSTER]

# **4.**REPLACE SATELLITE SENSOR

- Replace satellite sensor LH. Refer to <u>SR-28, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-257, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# **B1121 SATELLITE SENSOR LH**

# Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

# DTC Logic

INFOID:000000007621891

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1121	SATELLITE SENS LH [UNMATCH]	Satellite sensor LH is out of the specified specification	Diagnosis sensor unit or satellite sensor RH is dif- ferent from the part specified
DTC CO	NFIRMATION PROC	CEDURE	
<b>1.</b> CHEC	K SELF-DIAG RESUL	T	
2. Perfo	ONSULT ignition switch ON. rm "AIR BAG" Self Dia ut CONSULT	agnostic Result.	
1. Turn	ignition switch ON.		anopie with Air Peg Warning Lown"
2. Chec NOTE:	k the air bag warning	lamp status. Refer to <u>SRC-173, "Dia</u>	gnosis with Air Bag Warning Lamp".
-	s not enter the diagnos	sis mode if no malfunction is detecte	d in the user mode.
	ctioning part detected		
	> Refer to <u>SRC-259</u> , >> INSPECTION END	<u>"Diagnosis Procedure"</u> .	
	sis Procedure		
I NOADOG	513 FIUCEUUIE		INFOID:00000007621892
Ũ			
• Before minutes	G: servicing, turn ignit s or more. (To discha	ion switch OFF, disconnect batter arge backup capacitor.) er or other measuring device.	y negative terminal, and wait at least 3
• Before minutes	G: servicing, turn ignit s or more. (To discha	arge backup capacitor.) er or other measuring device.	
WARNING • Before minutes • Never u 1.CHEC	G: servicing, turn igniti s or more. (To discha ise unspecified teste	arge backup capacitor.) er or other measuring device.	
WARNING • Before minutes • Never u 1.CHEC Check the Is the insp	G: servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. pection result normal?	arge backup capacitor.) er or other measuring device. CTOR	
WARNING • Before minutes • Never u 1.CHEC Check the Is the insp YES	G: servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2.	arge backup capacitor.) er or other measuring device. CTOR	
WARNING • Before minutes • Never u 1.CHEC Check the Is the insp YES NO	G: servicing, turn ignit s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co	arge backup capacitor.) er or other measuring device. CTOR	
WARNING • Before minutes • Never u 1.CHEC Check the Is the insp YES NO 2.CHEC	G: servicing, turn igniti s or more. (To discha- ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co K WIRING HARNESS	arge backup capacitor.) er or other measuring device. CTOR onnector.	
WARNING • Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC Check the	G: servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co K WIRING HARNESS wiring harness exter	arge backup capacitor.) er or other measuring device. CTOR onnector.	
WARNING • Before minutes • Never u 1.CHEC Check the Is the insp YES 2.CHEC Check the Is the insp YES	G: servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co K WIRING HARNESS wiring harness extern bection result normal? >> GO TO 3.	arge backup capacitor.) er or other measuring device. CTOR onnector.	
WARNING • Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC Check the Is the insp YES NO 2	G: servicing, turn igniti s or more. (To discha- ise unspecified teste K HARNESS CONNE harness connector. Dection result normal? >> GO TO 2. >> Replace harness ca K WIRING HARNESS wiring harness extern Dection result normal? >> GO TO 3. >> Replace wiring harness	arge backup capacitor.) er or other measuring device. CTOR onnector. nals.	
WARNING • Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC Check the Is the insp YES NO 2	G: servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co K WIRING HARNESS wiring harness extern bection result normal? >> GO TO 3.	arge backup capacitor.) er or other measuring device. CTOR onnector. nals.	
WARNING • Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC Check the Is the insp YES NO 3.REPLA 1. Repla	G: servicing, turn igniti s or more. (To discha- ise unspecified teste K HARNESS CONNE harness connector. Dection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern Dection result normal? >> GO TO 3. >> Replace wiring harness ACE AIR BAG DIAGN ace air bag diagnosis	arge backup capacitor.) er or other measuring device. CTOR onnector. nals. Ness. OSIS SENSOR UNIT sensor unit. Refer to <u>SR-30, "COUPI</u>	y negative terminal, and wait at least 3
WARNING • Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC Check the Is the insp YES NO 3.REPLA 1. Repla 2. Perfo	G: servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern bection result normal? >> GO TO 3. >> Replace wiring harness >> GO TO 3. >> Replace wiring harness acce air bag diagnosis arm DTC confirmation	arge backup capacitor.) er or other measuring device. CTOR onnector. nals. ness. OSIS SENSOR UNIT	y negative terminal, and wait at least 3
WARNING • Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC Check the Is the insp YES NO 3.REPLA 1. Repla 2. Perfo Is DTC de	G: servicing, turn igniti s or more. (To discha- ise unspecified tester K HARNESS CONNE harness connector. Dection result normal? >> GO TO 2. >> Replace harness can K WIRING HARNESS wiring harness externo- pection result normal? >> GO TO 3. >> Replace wiring harness acc air bag diagnosis arm DTC confirmation etected?	arge backup capacitor.) er or other measuring device. CTOR onnector. nals. Ness. OSIS SENSOR UNIT sensor unit. Refer to <u>SR-30, "COUPI</u>	y negative terminal, and wait at least 3
WARNING • Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC Check the Is the insp YES NO 3.REPLA 1. Repla 2. Perfo Is DTC de YES NO 2. NO 3. REPLA	G: servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern bection result normal? >> GO TO 3. >> Replace wiring harness >> GO TO 3. >> Replace wiring harness acce air bag diagnosis arm DTC confirmation	arge backup capacitor.) er or other measuring device. CTOR onnector. anals. Sensor unit. Refer to <u>SR-30, "COUPI</u> procedure. Refer to <u>SRC-259, "DTC</u>	y negative terminal, and wait at least 3

# **B1121 SATELLITE SENSOR LH**

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor LH. Refer to SR-28, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-259, "DTC Logic".

- YES >> GO TO 1.
- NO >> INSPECTION END

#### B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT [ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

# Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621894

INFOID:000000007621893

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT	
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> </ul>	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
Without CONSULT	
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ol>	
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-261, "Diagnosis Procedure"</u> . NO >> INSPECTION END	К
Diagnosis Procedure	
WARNING:	L
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3	
minutes or more. (To discharge backup capacitor.)  • Never use unspecified tester or other measuring device.	M
1. CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	I N
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	Γ
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	

Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View". 1.

2. Perform DTC confirmation procedure. Refer to SRC-261, "DTC Logic".

# **SRC-261**

# B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

# B1129 SIDE AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC** Logic

INFOID:000000007621897

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Е
DTC CO	NFIRMATION PRO	CEDURE		F
<b>1.</b> CHEC	K SELF-DIAG RESU	LT		
<ol> <li>Turn</li> <li>Perfo</li> </ol>	CONSULT ignition switch ON. orm "AIR BAG" Self D ut CONSULT	agnostic Result.		G
	ignition switch ON.			SRC
2. Chec	k the air bag warning	lamp status. <u>SRC-173, "Diagnosis w</u>	vith Air Bag Warning Lamp"	
NOTE: SRS doe:	s not enter the diagno	sis mode if no malfunction is detect	ed in the user mode.	I
	ctioning part detected			1
		"Diagnosis Procedure".		
	>> INSPECTION END	)		J
Diagno	sis Procedure		INFOID:00000007621898	
WARNIN	G.			Κ
<ul> <li>Before</li> </ul>	servicing, turn ignit		ry negative terminal, and wait at least 3	
		arge backup capacitor.) er or other measuring device.		1
4	K HARNESS CONNE	-		
	e harness connector.			
	pection result normal?	>		M
	>> GO TO 2.	-		
	>> Replace harness of	connector.		Ν
<b>2.</b> CHEC	K WIRING HARNES	3		
Check the	e wiring harness exte	mals.		
<u>Is the ins</u>	pection result normal	2		0
	>> GO TO 3.			
_	>> Replace wiring ha			Ρ
		IOSIS SENSOR UNIT		
		sensor unit. Refer to <u>SR-30, "COUF</u> procedure. Refer to <u>SRC-263, "DTC</u>		
Is DTC de			<u> </u>	
	>> GO TO 4.			

NO >> INSPECTION END

INFOID:000000007621896

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[ROADSTER]

# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SR-22, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-263, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1130 SIDE AIR BAG MODULE RH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited В by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC Logic**

INFOID:000000007621900 С

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
отс со	NFIRMATION PRO	CEDURE	
1.снес	K SELF-DIAG RESU	_T	
1. Turn 2. Perfo 🕱 Witho 1. Turn	CONSULT ignition switch ON. orm "AIR BAG" Self Di ut CONSULT ignition switch ON. ck the air bag warning		agnosis with Air Bag Warning Lamp".
	s not enter the diagno	sis mode if no malfunction is detected	ed in the user mode.
	ctioning part detected	<u>?</u> "Diagnosis Procedure".	
	>> INSPECTION END		
Diagno	sis Procedure		INFOID:000000007621901
minute Never	servicing, turn ignit s or more. (To disch use unspecified test	arge backup capacitor.) er or other measuring device.	ry negative terminal, and wait at least 3
	K HARNESS CONNE	CTOR	
	e harness connector.	)	
	pection result normal? >> GO TO 2.	-	
-	>> Replace harness c		
<b>2.</b> CHEC	K WIRING HARNESS	3	
	e wiring harness exter		
	pection result normal?	-	
	>> Replace wiring har	ness.	
3.repl	ACE AIR BAG DIAGN	OSIS SENSOR UNIT	
2. Perfo	orm DTC confirmation	sensor unit. Refer to <u>SR-30, "COUP</u> procedure. Refer to <u>SRC-265, "DTC</u>	
Is DTC d			
YES	>> GO TO 4.		

>> INSPECTION END NO

[ROADSTER]

# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-265, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1131 SIDE AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621903

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
DTC CO	NFIRMATION PRO	CEDURE	
	K SELF-DIAG RESU		
(P) With C	CONSULT		
	ignition switch ON. orm "AIR BAG" Self Di	agnostic Result	
	ut CONSULT		
	ignition switch ON.	Jamp status Refer to SRC-173 "Dia	ignosis with Air Bag Warning Lamp".
NOTE:			
	-	sis mode if no malfunction is detecte	ed in the user mode.
	ctioning part detected >> Refer to SRC-267	<u>′</u> <u>"Diagnosis Procedure"</u> .	
NO	>> INSPECTION END	)	
Diagno	sis Procedure		INFOID:00000007621904
	C.		
• Before		ion switch OFF, disconnect batter	ry negative terminal, and wait at least 3
		arge backup capacitor.) er or other measuring device.	
4	K HARNESS CONNE	•	
Check the	e harness connector.		
	pection result normal?	-	
	>> GO TO 2. >> Replace harness c	oppector	
~	K WIRING HARNES		
	e wiring harness exter		
	pection result normal?		
	>> GO TO 3.		
-	>> Replace wiring har		
		sensor unit. Refer to <u>SR-30, "COUP</u> procedure. Refer to <u>SRC-267, "DTC</u>	
<u>ls DTC d</u>	etected?		
	>> GO TO 4. >> INSPECTION END	)	
NU .		,	

# SRC-267

[ROADSTER]

# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-267, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1132 SIDE AIR BAG MODULE RH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited В by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC** Logic

INFOID:000000007621906 С

## DTC DETECTION LOGIC

Display contents of

DTC	CONSULT	DTC detecting condition	Possible cause	
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are short- ed to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Ε
DTC CC	<b>NFIRMATION PRO</b>	CEDURE		F
<b>1.</b> CHEC	CK SELF-DIAG RESU	LT		
1. Turn 2. Perfe	CONSULT i ignition switch ON. orm "AIR BAG" Self D out CONSULT	iagnostic Result.		G
1. Turn	ignition switch ON.			SRC
2. Che NOTE:	ck the air bag warning	l lamp status. Refer to <u>SRC-173, "Di</u>	agnosis with Air Bag Warning Lamp".	
	•	osis mode if no malfunction is detect	ed in the user mode.	
	nctioning part detected			
	>> INSPECTION ENI	, <u>"Diagnosis Procedure"</u> . D		J
Diagno	sis Procedure		INFCID:000000007621907	
Ū				К
minute • Never	e servicing, turn igni es or more. (To disch use unspecified test	arge backup capacitor.) er or other measuring device.	ery negative terminal, and wait at least 3	L
-	CK HARNESS CONNI	ECTOR		
	e harness connector.	0		M
	>> GO TO 2.	<u>-</u>		
-	>> Replace harness of	connector.		Ν
<b>2.</b> CHEC	CK WIRING HARNES	S		
Check th	e wiring harness exte	rnals.		
-	spection result normal	?		0
YES NO	>> GO TO 3. >> Replace wiring ha	rness		
-		NOSIS SENSOR UNIT		Ρ
		sensor unit. Refer to <u>SR-30, "COUF</u>	PE : Exploded View".	
		procedure. Refer to <u>SRC-269, "DT</u>		
	letected?			
YES	>> GO TO 4.			

>> INSPECTION END NO

# **SRC-269**

INFOID:000000007621905

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[ROADSTER]

# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-269, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1134 SIDE AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621909

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## DTC DETECTION LOGIC

	1		
DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>
отс сс	NFIRMATION PROC	CEDURE	
1.снес	K SELF-DIAG RESUL	Т	
1. Turn 2. Perfo	CONSULT ignition switch ON. orm "AIR BAG" Self Dia	agnostic Result.	
1. Turn	ut CONSULT ignition switch ON.		
2. Cheo NOTE:	ck the air bag warning	lamp status. Refer to <u>SRC-173, "Dia</u>	agnosis with Air Bag Warning Lamp".
-	s not enter the diagnos	sis mode if no malfunction is detected	ed in the user mode.
	ctioning part detected		
	>> Refer to <u>SRC-271,</u> >> INSPECTION END	"Diagnosis Procedure".	
	sis Procedure		INFOID:000000007621910
U			
<ul><li>WARNIN</li><li>Before</li></ul>		on switch OFF. disconnect batte	ry negative terminal, and wait at least 3
minute	es or more. (To discha	arge backup capacitor.)	,
4	USE UNSPECIFIED TESTE	er or other measuring device.	
		CTOR	
	e harness connector. pection result normal?		
	>> GO TO 2.		
	>> Replace harness co	onnector.	
2.снес	K WIRING HARNESS		
Check th	e wiring harness exter	nals.	
s the ins	pection result normal?		
	>> GO TO 3.		
~	>> Replace wiring hari ACE AIR BAG DIAGN		
2. Perfo	orm DTC confirmation	sensor unit. Refer to <u>SR-30, "COUP</u> procedure. Refer to <u>SRC-271, "DTC</u>	
	etected?		
YES	>> GO TO 4.		

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>> INSPECTION END

NO

# SRC-271

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[ROADSTER]

[ROADSTER]

# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-271, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1135 SIDE AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621912

## DTC DETECTION LOGIC

				D
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	E
DTC CC	NFIRMATION PRO	CEDURE		F
<b>1.</b> CHEC	CK SELF-DIAG RESU	LT		
<ol> <li>Turn</li> <li>Perfe</li> </ol>	CONSULT i ignition switch ON. orm "AIR BAG" Self D	iagnostic Result.		G
1. Turn	ut CONSULT ignition switch ON. ck the air bag warning	lamp status. Refer to <u>SRC-173, "Diac</u>		SR
NOTE:				
	-	osis mode if no malfunction is detected	d in the user mode.	
	nctioning part detected	<u>. "Diagnosis Procedure"</u> .		
	>> INSPECTION END			J
Diagno	sis Procedure		INFOID:000000007621913	
-				K
• Before		tion switch OFF disconnect battery	y negative terminal, and wait at least 3	
minute	es or more. (To disch	arge backup capacitor.)		
	•	er or other measuring device.		
	CK HARNESS CONNE	ECTOR		
	e harness connector.	_		M
	spection result normal	2		
	>> GO TO 2. >> Replace harness of	connector.		Ν
•	CK WIRING HARNES			IN
	e wiring harness exte			
	spection result normal			С
	- >> GO TO 3.	-		
~	>> Replace wiring ha			Р
<b>3.</b> REPL	ACE AIR BAG DIAGN	IOSIS SENSOR UNIT		1
2. Perf	orm DTC confirmation	sensor unit. Refer to <u>SR-30, "COUPE</u> procedure. Refer to <u>SRC-273, "DTC</u>		
	letected?			
YES	>> GO TO 4.			

NO >> INSPECTION END

# SRC-273

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# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-273, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1136 SIDE AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621915

## DTC DETECTION LOGIC

				D
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Ε
DTC CO	NFIRMATION PRC	CEDURE		F
<b>1.</b> CHEC	K SELF-DIAG RESU	ILT		
2. Perfo	ignition switch ON. rm "AIR BAG" Self D	liagnostic Result.		G
1. Turn	ut CONSULT ignition switch ON. k the air bag warning	lamp status. Refer to <u>SRC-173, "Dia</u>		SR
SRS does	-	osis mode if no malfunction is detected	d in the user mode.	
YES >		, "Diagnosis Procedure".		
-		D		J
Diagnos	sis Procedure		INFOID:00000007621916	
minute • Never u	servicing, turn igni s or more. (To disch	harge backup capacitor.) ter or other measuring device.	y negative terminal, and wait at least 3	K
Check the	e harness connector.			M
Is the insp	pection result normal	<u>?</u>		IVI
	>> GO TO 2. >> Replace harness (	connector.		Ν
<b>2.</b> CHEC	K WIRING HARNES	S		
	e wiring harness exte			0
	pection result normal	<u>?</u>		0
	>> GO TO 3. >> Replace wiring ha	rness.		
-		NOSIS SENSOR UNIT		Ρ
1. Repla 2. Perfo	ace air bag diagnosis rm DTC confirmatior	s sensor unit. Refer to <u>SR-30, "COUPE</u> n procedure. Refer to <u>SRC-275, "DTC</u>		
Is DTC de YES	<u>etected?</u> >> GO TO 4.			
	>> INSPECTION EN	D		

INFOID:000000007621914

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[ROADSTER]

# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-275, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

# B1137 SIDE AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621918

## DTC DETECTION LOGIC

				D	
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause		
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in side air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Ε	
DTC CO	NFIRMATION PRO	CEDURE		F	
<b>1.</b> CHEC	K SELF-DIAG RESUL	T			
<ol> <li>Turn</li> <li>Perfo</li> <li>Witho</li> <li>Turn</li> <li>Check</li> </ol>	CONSULT ignition switch ON. orm "AIR BAG" Self Di ut CONSULT ignition switch ON. ck the air bag warning	agnostic Result. Iamp status. Refer to <u>SRC-173, "Dia</u>	gnosis with Air Bag Warning Lamp".	G SRC	
NOTE:		sis mode if no malfunction is detecte		I	
	ctioning part detected			I	
YES	>> Refer to <u>SRC-277,</u>	"Diagnosis Procedure".			
	>> INSPECTION END	)		J	
Diagno	sis Procedure		INFOID:000000007621919		
minute • Never	servicing, turn ignit s or more. (To discha	arge backup capacitor.) er or other measuring device.	ry negative terminal, and wait at least 3	K	
Check th	e harness connector.			Μ	
	pection result normal?	-			
-	>> GO TO 2. >> Replace harness c	onnector		NI	
-	K WIRING HARNESS			Ν	
	e wiring harness exter				
	pection result normal?			0	
	>> GO TO 3.				
•	>> Replace wiring har			Ρ	
	ACE AIR BAG DIAGN				
		sensor unit. Refer to <u>SR-30, "COUPI</u> procedure. Refer to <u>SRC-277, "DTC</u>			
	Is DTC detected?				
	>> GO TO 4. >> INSPECTION END	)			

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[ROADSTER]

# 4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-67, "Exploded View"</u>.
   Perform DTC confirmation procedure. Refer to <u>SRC-277, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

#### B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT [ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

# B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

# Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

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## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT	
<ul> <li>With CONSULT</li> <li>Turn ignition switch ON.</li> </ul>	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
Without CONSULT  Turn ignition switch ON.	
2. Check the air bag warning lamp status. Refer to SRC-173, "Diagnosis with Air Bag W	arning Lamp".
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-279, "Diagnosis Procedure"</u> . NO >> INSPECTION END	K
Diagnosis Procedure	INFOID:000000007621922
WARNING:	L
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal,	and wait at least 3
minutes or more. (To discharge backup capacitor.)	N.4.
<ul> <li>Never use unspecified tester or other measuring device.</li> </ul>	M
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	N
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
	0
NO >> Replace harness connectors.	
NO >> Replace harness connectors. 2.CHECK WIRING HARNESS	P
NO       >> Replace harness connectors.         2.CHECK WIRING HARNESS         Check the wiring harness externals.	
NO       >> Replace harness connectors.         2.CHECK WIRING HARNESS         Check the wiring harness externals.         Is the inspection result normal?	

**3.**REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30. "COUPE : Exploded View".

2. Perform DTC confirmation procedure. Refer to SRC-279, "DTC Logic".

# **SRC-279**

# B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

# **B1144 DIAGNOSIS SENSOR UNIT**

# Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621924

## DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause	E
B1144	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul> <li>Malfunction in air bag diagnosis sensor unit</li> <li>Configuration in air bag diagnosis sensor unit does not match the vehicles specification</li> </ul>	_

## DTC CONFIRMATION PROCEDURE

# **1.**CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON. 2. Perform "AIR BAG" Self Diagnostic Result. SRC 🕅 Without CONSULT Turn ignition switch ON. 1. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. 2. NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected? YES >> Refer to <u>SRC-281, "Diagnosis Procedure"</u>. NO >> INSPECTION END Diagnosis Procedure INFOID:000000007621925 Κ WARNING: Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.) L
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-281, "DTC Logic"</u>.

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

INFOID:000000007621923

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# B1145 CURTAIN AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621927

INFOID:000000007621928

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in side curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-282, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

# Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-282, "DTC Logic".

## Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-282

# **B1145 CURTAIN AIR BAG MODULE RH**

# [ROADSTER]

[ROADSTER]	

# B1146 CURTAIN AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# **DTC Logic**

INFOID:000000007621930

INFOID:000000007621931

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-284, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

## ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-284, "DTC Logic".

## Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-284

# **B1146 CURTAIN AIR BAG MODULE RH**

# [ROADSTER]

DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]	
REPLACE CURTAIN AIR BAG MODULE		
Replace curtain air bag module RH. Refer to <u>SR-22, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-284, "DTC Logic"</u> .		
DTC detected? /ES >> GO TO 1.		
NO >> INSPECTION END		

# B1147 CURTAIN AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621933

INFOID:000000007621934

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-286, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-286, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-286

# **B1147 CURTAIN AIR BAG MODULE RH**

# [ROADSTER]

DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]	
REPLACE CURTAIN AIR BAG MODULE		
Replace curtain air bag module RH. Refer to <u>SR-22, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-286, "DTC Logic"</u> .		
DTC detected? ES >> GO TO 1.		
O >> INSPECTION END		

# B1148 CURTAIN AIR BAG MODULE RH

# Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621936

INFOID-00000007621937

# DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-288, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-288, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

# SRC-288

# **B1148 CURTAIN AIR BAG MODULE RH**

#### [ROADSTER]

DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
REPLACE CURTAIN AIR BAG MODULE	
Replace curtain air bag module RH. Refer to <u>SR-22, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-288, "DTC Logic"</u> .	
DTC detected? ES >> GO TO 1.	
IO >> INSPECTION END	

#### < DTC/CIRCUIT DIAGNOSIS >

# B1150 CURTAIN AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## **DTC Logic**

INFOID:000000007621939

INFOID:000000007621940

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-290, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-290, "DTC Logic".

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-290

# **B1150 CURTAIN AIR BAG MODULE LH**

## IDUVUSTEDI

REPLACE CURTAIN AIR BAG MODULE	JADSIERJ
REPLACE CURTAIN AIR BAG MODULE	
Replace curtain air bag module LH. Refer to <u>SR-22, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-290, "DTC Logic"</u> .	
Perform DTC confirmation procedure. Refer to <u>SRC-290, "DTC Logic"</u> . <u>DTC detected?</u>	
2  S >>  GO TO 1.	
IO >> INSPECTION END	

#### < DTC/CIRCUIT DIAGNOSIS >

# B1151 CURTAIN AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621942

INFOID:000000007621943

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

#### () With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-292</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

• Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-292, "DTC Logic"</u>.

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-292

# **B1151 CURTAIN AIR BAG MODULE LH**

# 

PLACE CURTAIN AIR BAG MODULE eplace curtain air bag module LH. Refer to <u>SR-22, "Exploded View"</u> erform DTC confirmation procedure. Refer to <u>SRC-292, "DTC Logic"</u> . <u>C detected?</u> >> GO TO 1. >> INSPECTION END	
<u>C detected?</u> >> GO TO 1.	
<u>C detected?</u> >> GO TO 1.	
>> GO TO 1.	
>> INSPECTION END	

#### < DTC/CIRCUIT DIAGNOSIS >

# B1152 CURTAIN AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621945

INFOID:000000007621946

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### () With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to SRC-294, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-294, "DTC Logic".

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-294

# **B1152 CURTAIN AIR BAG MODULE LH**

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DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
REPLACE CURTAIN AIR BAG MODULE	
Replace curtain air bag module LH. Refer to <u>SR-22, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-294, "DTC Logic"</u> .	
DTC detected?	
′ES >> GO TO 1.	
NO >> INSPECTION END	

#### < DTC/CIRCUIT DIAGNOSIS >

# B1153 CURTAIN AIR BAG MODULE LH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621948

INFOID:000000007621949

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

#### Is malfunctioning part detected?

- YES >> Refer to <u>SRC-296, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

#### Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### ${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-296, "DTC Logic".

#### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## SRC-296

# **B1153 CURTAIN AIR BAG MODULE LH**

# 

DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
REPLACE CURTAIN AIR BAG MODULE	
Replace curtain air bag module LH. Refer to <u>SR-22, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-296, "DTC Logic"</u> .	
DTC detected?	
′ES >> GO TO 1.	
NO >> INSPECTION END	

## B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

# B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621950

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621951

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1154 B1155 B1156 B1157 B1158 B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-298, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000007621952

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-298, "DTC Logic"</u>.

# SRC-298

# B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
Is DTC detected?	
YES >> GO TO 1.	A
NO >> INSPECTION END	
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# B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

# B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621953

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621954

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173 B1174 B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-300, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-300, "DTC Logic".

# SRC-300

INFOID-00000007621955

# B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	A
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# B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

# B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

## Description

INFOID:000000007621956

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621957

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1186 B1187 B1188 B1189 B1190 B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-302, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000007621958

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-302, "DTC Logic"</u>.

# SRC-302

# B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
Is DTC detected?	
YES >> GO TO 1.	A
NO >> INSPECTION END	
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## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

#### Description

INFOID:000000007621959

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621960

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

## DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

#### (I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-304</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

#### 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

# $\mathbf{3}$ .replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-304, "DTC Logic".

# SRC-304

INFOID-000000007621961

# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
Is DTC detected?	
YES >> GO TO 1.	A
NO >> INSPECTION END	
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#### < DTC/CIRCUIT DIAGNOSIS >

# B1209 FRONTAL COLLISION DETECTION

#### Description

The air bags and seat belt pre-tensioners for driver and passenger are activated by the air bag diagnosis sensor unit signal transmitted at the time of the frontal collision.

## DTC Logic

INFOID:000000007621963

INFOID:000000007621964

INFOID:000000007621962

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1209	FRONTAL COLLI- SION DETECTION	Seat belt pre-tensioner, driver side air bag and passen- ger air bag are deployed	_

## DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-306. "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to <u>SR-8</u>, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or <u>SR-9</u>, "FOR FRONTAL COLLISION : When SRS is not activated in a collision".

Iscollision diagnosis complete?

YES >> GO TO 2. NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Peform diagnosis of applicable DTC.Refer to <u>SRC-332, "DTC Index"</u>.

	CONSOLI		
B1210	SIDE COLLISION DETECTION	Side air bag and curtain air bag are deployed	_
DTC CONFIR	MATION PROCE	DURE	
1.CHECK SEI	LF-DIAG RESULT		
<ol> <li>Perform "A</li> <li>Without CO</li> <li>Turn ignitic</li> </ol>	on switch ON. IR BAG" Self Diagr NSULT on switch ON.	nostic Result. np status. Refer to <u>SRC-173, "Diagnosis w</u>	ith Air Bag Warning Lamp".
-	enter the diagnosis	mode if no malfunction is detected in the u	iser mode.
	ng part detected?		
	fer to <u>SRC-307, "Di</u> SPECTION END	iagnosis Procedure".	
Diagnosis P	rocedure		INF01D:00000007621967
minutes or n • Never use u	nore. (To discharg nspecified tester o	switch OFF, disconnect battery negati e backup capacitor.) or other measuring device.	ve terminal, and wait at least 3
<b>1</b> .PERFORM	COLLISION DIAGN	IOSIS	
<u>vated in a collis</u> lision".	<u>sion"</u> or <u>SR-11, "FO</u>	to <u>SR-10. "FOR SIDE AND ROLLOVER</u> R SIDE AND ROLLOVER COLLISION : W	COLLISION : When SRS is acti- hen SRS is not activated in a col-
YES >> GO	nosis complete? ) TO 2. SPECTION END		
2.FINAL INSP			
Perform "AIR B	AG" Self Diagnosti	c Result.	
•	n result normal? SPECTION END		

**SRC-307** 

# DTC Logic

DTC

time of side collision.

Description

# DTC DETECTION LOGIC

< DTC/CIRCUIT DIAGNOSIS >

**B1210 SIDE COLLISION DETECTION** 

Display contents of

CONSULT

The side air bag and curtain air bag are activated by the air bag diagnosis sensor unit signal transmitted at the

DTC detecting condition

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INFOID:000000007621965

INFOID:000000007621966

Possible cause

## **B1211 ROLLOVER DETECTION**

#### < DTC/CIRCUIT DIAGNOSIS >

# **B1211 ROLLOVER DETECTION**

## Description

The seat belt pre-tensioner and curtain air bag are activated by the air bag diagnosis sensor unit signal at the time of rollover.

## DTC Logic

INFOID:000000007621969

INFOID:000000007621970

INFOID:000000007621968

#### DTC DETECTION LOGIC

#### With CONSULT

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner and curtain air bag module are deployed because of rollover detection	_

#### DTC CONFIRMATION PROCEDURE

**1.**CHECK SELF-DIAG RESULT

#### (D) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to SRC-308, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

**1.**PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to <u>SR-10</u>, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision" or <u>SR-11</u>, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision".

Iscollision diagnosis complete?

YES >> GO TO 2. NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

- YES >> INSPECTION END
- NO >> Peform diagnosis of applicable DTC.Refer to <u>SRC-332, "DTC Index"</u>.

#### Display contents of -----

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1212 B1213 B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	<ul> <li>Disconnection of wiring harness</li> <li>Malfunction in satellite sensor RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	Е

# DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

## (P) With CONSULT

Turn ignition switch ON.

DTC DETECTION LOGIC

Perform "AIR BAG" Self Diagnostic Result. 2.

🕅 Without CONSULT

- 1 Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-173, "Diagnosis with Air Bag Warning Lamp". NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES	>> Refer to <u>SRC-309</u> , "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

# WARNING:

- Κ Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-30, "COUPE : Exploded View".

Perform DTC confirmation procedure. Refer to SRC-309, "DTC Logic". 2.

## Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

**4.**REPLACE SATELLITE SENSOR

# B1212, B1213, B1214 SATELLITE SENSOR RH

## < DTC/CIRCUIT DIAGNOSIS > B1212, B1213, B1214 SATELLITE SENSOR RH

# Description

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

# DTC Logic

INFOID:00000007621972

INFOID:000000007621973

INFOID:00000000762197

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[ROADSTER]

## B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor RH. Refer to <u>SR-28, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-309, "DTC Logic".

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

#### B1215, B1216, B1217 SATELLITE SENSOR LH

#### < DTC/CIRCUIT DIAGNOSIS >

B1215, B1216, B1217 SATELLITE SENSOR LH

# Description

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

DTC detecting condition

Satellite sensor LH is malfunctioning

## DTC Logic

DTC

B1215

B1216

B1217

#### DTC DETECTION LOGIC

Display contents of

CONSULT

LH1 SAT-SENS

DTC CONFIRMATION PROCEDURE	
1.CHECK SELF-DIAG RESULT	F
<ul> <li>With CONSULT</li> <li>1. Turn ignition switch ON.</li> <li>2. Perform "AIR BAG" Self Diagnostic Result.</li> <li>Without CONSULT</li> </ul>	G
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ol>	SRO
NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	
YES >> Refer to <u>SRC-311, "Diagnosis Procedure"</u> . NO >> INSPECTION END	
Diagnosis Procedure	J
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)</li> <li>Never use unspecified tester or other measuring device.</li> </ul>	K
1. CHECK HARNESS CONNECTOR	L
Check the harness connector.         Is the inspection result normal?         YES       >> GO TO 2.         NO       >> Replace harness connector.	$\mathbb{M}$
2. CHECK WIRING HARNESS	Ν
Check the wiring harness externals.	
<u>Is the inspection result normal?</u> YES >> GO TO 3.	0
NO >> Replace wiring harness. 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	Ρ
<ol> <li>Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-311, "DTC Logic"</u>.</li> <li><u>Is DTC detected?</u></li> </ol>	

**4.**REPLACE SATELLITE SENSOR

[ROADSTER]

INFOID:000000007621975

Possible cause

· Malfunction in air bag diagnosis sensor unit

· Disconnection of wiring harness

Malfunction in satellite sensor LH

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## B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor LH. Refer to <u>SR-28, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-311, "DTC Logic"

#### Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

#### B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT [ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

# B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621978

INFOID:000000007621977

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#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1218 B1219 B1220 B1221 B1222 B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

## DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT	
	SRC
1. Turn ignition switch ON.	
<ol> <li>Perform "AIR BAG" Self Diagnostic Result.</li> <li>Without CONSULT</li> </ol>	
1. Turn ignition switch ON.	I
<ol> <li>Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.</li> </ol>	
NOTE:	.1
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	0
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-313, "Diagnosis Procedure"</u> . NO >> INSPECTION END	Κ
Diagnosis Procedure	
	1
WARNING:	
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3	
minutes or more. (To discharge backup capacitor.)  • Never use unspecified tester or other measuring device.	M
1. CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	0
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	Р
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace wiring harness.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1 Replace air bag diagnosis sensor unit Refer to SR-30 "COUPE : Exploded View"	

Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>. 1.

Perform DTC confirmation procedure. Refer to SRC-313, "DTC Logic". 2.

# **SRC-313**

#### B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT [ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END

#### < DTC/CIRCUIT DIAGNOSIS >

# **B1239 DIAGNOSIS SENSOR UNIT**

## Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

# DTC Logic

INFOID:000000007621981

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1239	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
DTC CON	IFIRMATION PROC	CEDURE	
1.снеск	SELF-DIAG RESUL	Т	
2. Perfori	gnition switch ON. m "AIR BAG" Self Dia CONSULT	agnostic Result.	
	nition switch ON.	lamp status. Refer to <u>SRC-173, "Diagnos</u>	sis with Air Bag Warning Lamp".
NOTE:			
	not enter the diagnos tioning part detected	sis mode if no malfunction is detected in	the user mode.
		- "Diagnosis Procedure".	
NO >>	> INSPECTION END		
Diagnosi	is Procedure		INF0ID:00000007621982
minutes • Never us	ervicing, turn igniti or more. (To discha se unspecified teste	on switch OFF, disconnect battery ne arge backup capacitor.) er or other measuring device.	egative terminal, and wait at least 3
1.CHECK	HARNESS CONNE	CTOR	
	harness connector.		
	+ :		
	ection result normal?		
YES >: NO >:	> GO TO 2. > Replace harness co	onnectors.	
YES >: NO >:	> GO TO 2.	onnectors.	
YES >> NO >> 2.CHECK	> GO TO 2. > Replace harness co	onnectors.	
YES >> NO >> 2.CHECK Check the Is the inspective YES >>	<ul> <li>GO TO 2.</li> <li>Replace harness can be addressed and the second sec</li></ul>	onnectors. nals.	
YES >> NO >> 2.CHECK Check the Is the inspective YES >> NO >>	<ul> <li>GO TO 2.</li> <li>Replace harness controls</li> <li>WIRING HARNESS</li> <li>wiring harness externation result normal?</li> <li>GO TO 3.</li> <li>Replace wiring harness</li> </ul>	nals.	
YES >> NO >> 2.CHECK Check the Is the inspective YES >> NO >> 3.REPLAC	<ul> <li>GO TO 2.</li> <li>Replace harness control</li> <li>WIRING HARNESS</li> <li>wiring harness externation result normal?</li> <li>GO TO 3.</li> <li>Replace wiring harnest</li> <li>CE AIR BAG DIAGN</li> </ul>	nals. ness. OSIS SENSOR UNIT	voloded View"
YES >> NO >> 2.CHECK Check the Is the inspective YES >> NO >> 3.REPLAC 1. Replace	<ul> <li>&gt; GO TO 2.</li> <li>&gt; Replace harness controls</li> <li>&gt; WIRING HARNESS</li> <li>&gt; wiring harness externation result normal?</li> <li>&gt; GO TO 3.</li> <li>&gt; Replace wiring harnest</li> <li>&gt; CE AIR BAG DIAGN</li> <li>&gt; Ce air bag diagnosis setting that the setting that t</li></ul>	nals.	

YES >> GO TO 1. NO >> INSPECTION END INFOID:000000007621980

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# B1257 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

#### < DTC/CIRCUIT DIAGNOSIS >

# B1257 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

#### Description

INFOID:000000007621983

[ROADSTER]

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621984

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1257	FR-RH DOOR MNT MODULE [OPEN]	Door-mounted curtain air bag module RH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in side door-mounted curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-316</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

## Diagnosis Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-316, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1257 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]		
4.REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE		
<ol> <li>Replace door-mounted curtain air bag module RH. Refer to <u>SR-24, "Exploded View"</u></li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-316, "DTC Logic"</u>.</li> <li><u>Is DTC detected?</u></li> </ol>	A	
YES >> GO TO 1. NO >> INSPECTION END		
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# B1258 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

#### < DTC/CIRCUIT DIAGNOSIS >

# B1258 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

## Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621987

INFOID:000000007621988

INFOID:000000007621986

[ROADSTER]

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1258	FR-RH DOOR MNT MODULE [VB-SHORT]	Door-mounted curtain air bag module RH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in door-mounted curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-318</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

## Diagnosis Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-318, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1258 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]		
< DTC/CIRCUIT DIAGNOSIS >	[KOADSTER]	
<ul> <li><b>4.</b>REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE</li> <li>1. Replace door-mounted curtain air bag module RH. Refer to <u>SR-24, "Exploded View"</u></li> </ul>	<i>A</i>	
<ol><li>Perform DTC confirmation procedure. Refer to <u>SRC-318, "DTC Logic"</u>.</li></ol>		
<u>Is DTC detected?</u> YES >> GO TO 1.	E	
NO >> INSPECTION END		
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# B1259 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

#### < DTC/CIRCUIT DIAGNOSIS >

# B1259 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

## Description

INFOID:000000007621989

[ROADSTER]

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621990

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1259	FR-RH DOOR MNT MODULE [GND-SHORT]	Door-mounted curtain air bag module RH cir- cuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in door-mounted curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:** 

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-320, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

## Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}$ .Replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-320, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1259 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH < DTC/CIRCUIT DIAGNOSIS > [ROADSTER]		
4.REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE		
<ol> <li>Replace door-mounted curtain air bag module RH. Refer to <u>SR-24</u>, "Exploded View"</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-320</u>, "DTC Logic".</li> <li><u>Is DTC detected?</u></li> <li>YES &gt;&gt; GO TO 1.</li> <li>NO &gt;&gt; INSPECTION END</li> </ol>		
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# B1260 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

#### < DTC/CIRCUIT DIAGNOSIS >

# B1260 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

## Description

INFOID:000000007621992

[ROADSTER]

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621993

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1260	FR-RH DOOR MNT MODULE [SHORT]	Door-mounted curtain air bag module RH cir- cuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in door-mounted curtain air bag module RH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

1. Turn ignition switch ON.

 Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-322</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-322, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1260 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH		
< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]		
<b>4.</b> REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE	А	
<ol> <li>Replace door-mounted curtain air bag module RH. Refer to <u>SR-24, "Exploded View"</u></li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-322, "DTC Logic"</u>.</li> <li><u>Is DTC detected?</u></li> </ol>		
YES >> GO TO 1. NO >> INSPECTION END	В	
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# B1262 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### < DTC/CIRCUIT DIAGNOSIS >

# B1262 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### Description

INFOID:000000007621995

[ROADSTER]

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

# DTC Logic

INFOID:000000007621996

## DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1262	FR-LH DOOR MNT MODULE [OPEN]	Door-mounted curtain air bag module LH circuit is open	<ul> <li>Disconnection of wiring harness and open</li> <li>Malfunction in door-mounted curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

## **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-324</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-324, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## AND DOOD MOUNTED CURTAIN AID DAG MODULE LU

B1262 DOOR-MOUNTED CURTAIN AIR BAG MODULE LI < DTC/CIRCUIT DIAGNOSIS >	「 [ROADSTER]
4.REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE	A
<ol> <li>Replace door-mounted curtain air bag module LH. Refer to <u>SR-24, "Removal and Installa</u></li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-324, "DTC Logic"</u>.</li> </ol>	ation" A
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
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#### B1263 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### < DTC/CIRCUIT DIAGNOSIS >

#### B1263 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### Description

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007621999

#### DTC DETECTION LOGIC

DTC Display contents of CONSULT		DTC detecting condition	Possible cause	
B1263	FR-LH DOOR MNT MODULE [VB-SHORT]	Door-mounted curtain air bag module LH circuit is shorted to power supply circuit	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in door-mounted curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>	

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-326</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-326. "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

INFOID:000000007622000

B1263 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH < DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
4.REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE	
<ol> <li>Replace door-mounted curtain air bag module LH. Refer to <u>SR-24, "Exploded View"</u></li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-326, "DTC Logic"</u>.</li> </ol>	
Is DTC detected?         YES       >> GO TO 1.         NO       >> INSPECTION END	

#### B1264 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### < DTC/CIRCUIT DIAGNOSIS >

#### B1264 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### Description

INFOID:000000007622001

[ROADSTER]

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

#### DTC Logic

INFOID:000000007622002

#### DTC DETECTION LOGIC

DTC	DTC Display contents of CONSULT DTC detecting condition		Possible cause
B1264	FR-LH DOOR MNT MODULE [GND-SHORT]	Door-mounted curtain air bag module LH circuit is shorted to ground	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in door-mounted curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**Without CONSULT** 

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-328</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-328, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1264 DOOR-MOUNTED CURTAIN AIR BAG MODULE I	LH [ROADSTER]
< DTC/CIRCUIT DIAGNOSIS >	
<b>1.</b> REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE	
<ol> <li>Replace door-mounted curtain air bag module LH. Refer to <u>SR-24, "Exploded View"</u></li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-328, "DTC Logic"</u>.</li> </ol>	
s DTC detected?	
YES >> GO TO 1.	
NO >> INSPECTION END	
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#### B1265 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### < DTC/CIRCUIT DIAGNOSIS >

#### B1265 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

#### Description

INFOID:000000007622004

In case of side collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## DTC Logic

INFOID:000000007622005

[ROADSTER]

#### DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1265	FR-LH DOOR MNT MODULE [SHORT]	Door-mounted curtain air bag module LH cir- cuits are shorted to each other	<ul> <li>Disconnection of wiring harness and short</li> <li>Malfunction in door-mounted curtain air bag module LH</li> <li>Malfunction in air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE

#### **1.**CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

**(R)** Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-330</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

#### Diagnosis Procedure

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-330, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1265 DOOR-MOUNTED CURTAIN AIR BAG MODULE	LH [ROADSTER]
<b>1.</b> REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE	
Replace door-mounted curtain air bag module LH. Refer to <u>SR-24, "Exploded View"</u>	
<ol> <li>Perform DTC confirmation procedure. Refer to <u>SRC-330, "DTC Logic"</u>. <u>s DTC detected?</u></li> </ol>	
YES >> GO TO 1.	
NO >> INSPECTION END	
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## ECU DIAGNOSIS INFORMATION DIAGNOSIS SENSOR UNIT

DTC Index

DTC	Diagnostic item	Warning lamp blinking times in diagnosis mode* <sup>1</sup>	Explanation		Reference page
	NO DTC IS DETECTED.	0	When malfunction is indicated by the "AIR BAG" warning lamp	Low battery voltage (Less than 9 V)	<u>SRC-178,</u> "CONSULT Function".
_				Self-diagnostic result is not erased after repair	SRC-173. "Di- agnosis with Air Bag Warning Lamp", SRC- 178, "CONSULT Function".
				Intermittent malfunction is de- tected in the past	GI-44, "Intermit- tent Incident"
			No malfunction is dete	ected	_
B1001-B1015	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning		<u>SRC-179.</u> <u>"DTC Logic"</u> . <u>SRC-181.</u> <u>"DTC Logic"</u> . <u>SRC-183.</u> <u>"DTC Logic"</u> .
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	5	Malfunction occurs in Occupant Classification System control unit		<u>SRC-185, "DTC</u> Logic".
B1018	OCCUPANT SENS [UNIT FAIL]	5	Malfunction occurs in Occupant Classification System sensor		<u>SRC-187, "DTC</u> Logic".
B1022	OCCUPANT SENS C/U [COMM FAIL]	5	Malfunction occurs in Occupant Classification System control unit, circuit of Occupant Classification System control unit air bag diagnosis sensor unit, or air bag di- agnosis sensor unit		<u>SRC-189, "DTC</u> Logic".
B1023	PASS A/B INDCTR CKT	11	Passenger air bag OFF indicator circuit is open or shorted to ground or the circuits are shorted each other		<u>SRC-191, "DTC</u> Logic".
B1025 B1032 B1048	OCS SENSOR	5	Malfunction occurs in Occupant Classification System control unit, circuit of Occupant Classification System control unit air bag diagnosis sensor unit, or air bag di- agnosis sensor unit		<u>SRC-193, "DTC</u> Logic".
B1026-B1031	CONTROL UNIT	7	Air bag diagnosis sens of the specified specif	sor unit is malfunctioning or out ication	SRC-195, "DTC Logic".
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	6	Crash zone sensor is malfunctioning		<u>SRC-197, "DTC</u> Logic".
B1035	CRASH ZONE SEN [COMM FAIL]	6	Crash zone sensor is malfunctioning		SRC-199, "DTC Logic".
B1036	CRASH ZONE SEN [UNMATCH]	6	Crash zone sensor is out of the specified specification		SRC-201, "DTC Logic".
B1037 B1039 B1041	CRASH ZONE SEN1	6	Crash zone sensor is malfunctioning		<u>SRC-203, "DTC</u> Logic".
B1042-B1047	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning		<u>SRC-205, "DTC</u> Logic".

# < ECU DIAGNOSIS INFORMATION >

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#### [ROADSTER]

DTC	Diagnostic item	Warning lamp blinking times in diagnosis mode <sup>*1</sup>	Explanation	Reference page	A
B1049 B1054	DRIVER AIRBAG MOD- ULE [OPEN]	2	Driver air bag module circuit is open (including the spiral cable)	<u>SRC-207, "DTC</u> Logic".	В
B1050 B1055	DRIVER AIRBAG MOD- ULE [VB-SHORT]	2	Driver air bag module circuit is shorted to power sup- ply circuit (including the spiral cable)	<u>SRC-209, "DTC</u> Logic".	С
B1051 B1056	DRIVER AIRBAG MOD- ULE [GND-SHORT]	2	Driver air bag module circuit is shorted to ground (in- cluding the spiral cable)	<u>SRC-211, "DTC</u> Logic".	D
B1052 B1057	DRIVER AIRBAG MOD- ULE [SHORT]	2	Driver air bag module circuits are shorted to each oth- er (including spiral cable)	<u>SRC-213, "DTC</u> <u>Logic"</u> .	Е
B1058-B1063	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-215, "DTC</u> Logic".	F
B1065 B1070	ASSIST A/B MODULE [OPEN]	8	Passenger air bag module circuit is open	SRC-217, "DTC Logic".	
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	8	Passenger air bag module circuit is shorted to power supply circuit	<u>SRC-219, "DTC</u> Logic".	G
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	8	Passenger air bag module circuit is shorted to ground	<u>SRC-221, "DTC</u> Logic".	SRC
B1068 B1073	ASSIST A/B MODULE [SHORT]	8	Passenger air bag module circuits are shorted to each other	<u>SRC-223, "DTC</u> Logic".	onte
B1074-B1079	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-225, "DTC</u> Logic".	Ι
B1080 B1096	DRIVER AIRBAG MOD- ULE [SHORT]	2	Driver air bag module circuits are shorted to each oth- er (including spiral cable)	SRC-227, "DTC Logic".	J
B1081	PRE-TEN FRONT RH [OPEN]	3	Seat belt pre-tensioner RH circuit is open	<u>SRC-229, "DTC</u> Logic".	
B1082	PRE-TEN FRONT RH [VB-SHORT]	3	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	<u>SRC-231, "DTC</u> Logic".	K
B1083	PRE-TEN FRONT RH [GND-SHORT]	3	Seat belt pre-tensioner RH circuit is shorted to ground	<u>SRC-233, "DTC</u> Logic".	L
B1084	PRE-TEN FRONT RH [SHORT]	3	Seat belt pre-tensioner RH circuits are shorted to each other	<u>SRC-235, "DTC</u> Logic".	
B1086	PRE-TEN FRONT LH [OPEN]	1	Seat belt pre-tensioner LH circuit is open	SRC-237, "DTC Logic".	Μ
B1087	PRE-TEN FRONT LH [VB-SHORT]	1	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	SRC-239, "DTC Logic".	Ν
B1088	PRE-TEN FRONT LH [GND-SHORT]	1	Seat belt pre-tensioner LH circuit is shorted to ground	<u>SRC-241, "DTC</u> Logic".	
B1089	PRE-TEN FRONT LH [SHORT]	1	Seat belt pre-tensioner LH circuits are shorted to each other	<u>SRC-243, "DTC</u> Logic".	0
B1090-B1095	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-245, "DTC</u> Logic".	Р
B1106-B1111	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-247, "DTC</u> Logic".	
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	3* <sup>2</sup>	Satellite sensor RH is malfunctioning	<u>SRC-249, "DTC</u> Logic".	
B1115	SATELLITE SENS RH [COMM FAIL]	3* <sup>2</sup>	Satellite sensor RH is malfunctioning	SRC-251, "DTC Logic".	

#### < ECU DIAGNOSIS INFORMATION >

#### [ROADSTER]

DTC	Diagnostic item	Warning lamp blinking times in diagnosis mode <sup>*1</sup>	Explanation	Reference page
B1116	SATELLITE SENS RH [UNMATCH]	3* <sup>2</sup>	Satellite sensor RH is out of the specified specifica- tion	<u>SRC-253, "DTC</u> Logic".
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	4* <sup>2</sup>	Satellite sensor LH is malfunctioning	SRC-255, "DTC Logic".
B1120	SATELLITE SENS LH [COMM FAIL]	4* <sup>2</sup>	Satellite sensor RH is malfunctioning	<u>SRC-257, "DTC</u> Logic".
B1121	SATELLITE SENS LH [UNMATCH]	4* <sup>2</sup>	Satellite sensor RH is out of the specified specifica- tion	<u>SRC-259, "DTC</u> Logic".
B1122-B1127	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-261, "DTC</u> Logic".
B1129	SIDE MODULE RH [OPEN]	1* <sup>2</sup>	Side air bag module RH circuit is open	<u>SRC-263, "DTC</u> Logic".
B1130	SIDE MODULE RH [VB-SHORT]	1* <sup>2</sup>	Side air bag module RH circuit is shorted to power supply circuit	<u>SRC-265, "DTC</u> Logic".
B1131	SIDE MODULE RH [GND-SHORT]	1* <sup>2</sup>	Side air bag module RH circuit is shorted to ground	<u>SRC-267, "DTC</u> Logic".
B1132	SIDE MODULE RH [SHORT]	1* <sup>2</sup>	Side air bag module RH circuits are shorted to each other	SRC-269, "DTC Logic".
B1134	SIDE MODULE LH [OPEN]	2* <sup>2</sup>	Side air bag module LH circuit is open	SRC-271, "DTC Logic".
B1135	SIDE MODULE LH [VB-SHORT]	2* <sup>2</sup>	Side air bag module LH circuit is shorted to power supply circuit	SRC-273, "DTC Logic".
B1136	SIDE MODULE LH [GND-SHORT]	2* <sup>2</sup>	Side air bag module LH circuit is shorted to ground	SRC-275, "DTC Logic".
B1137	SIDE MODULE LH [SHORT]	2* <sup>2</sup>	Side air bag module LH circuits are shorted to each other	SRC-277, "DTC Logic".
B1138-B1143	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	SRC-279, "DTC Logic"
B1144	CONTROL UNIT	17	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	SRC-281, "DTC Logic".
B1145	CURTAIN MODULE RH [OPEN]	5* <sup>2</sup>	Curtain air bag module RH circuit is open	SRC-282, "DTC Logic".
B1146	CURTAIN MODULE RH [VB-SHORT]	5* <sup>2</sup>	Curtain air bag module RH circuit is shorted to power supply circuit	SRC-284, "DTC Logic".
B1147	CURTAIN MODULE RH [GND-SHORT]	5* <sup>2</sup>	Curtain air bag module RH circuit is shorted to ground	SRC-286, "DTC Logic".
B1148	CURTAIN MODULE RH [SHORT]	5* <sup>2</sup>	Curtain air bag module RH circuits are shorted to each other	SRC-288, "DTC Logic".
B1150	CURTAIN MODULE LH [OPEN]	6* <sup>2</sup>	Curtain air bag module LH circuit is open	SRC-290, "DTC Logic".
B1151	CURTAIN MODULE LH [VB-SHORT]	6* <sup>2</sup>	Curtain air bag module LH circuit is shorted to power supply circuits	SRC-292, "DTC Logic".
B1152	CURTAIN MODULE LH [GND-SHORT]	6* <sup>2</sup>	Curtain air bag module LH circuit is shorted to ground	SRC-294, "DTC Logic".
B1153	CURTAIN MODULE LH [SHORT]	6* <sup>2</sup>	Curtain air bag module LH circuits are shorted to each other	SRC-296, "DTC Logic".
B1154-B1159	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-298, "DTC</u> Logic".
B1170-B1175	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-300, "DTC</u> Logic".

#### < ECU DIAGNOSIS INFORMATION >

#### [ROADSTER]

DTC	Diagnostic item	Warning lamp blinking times in diagnosis mode* <sup>1</sup>	Explanation	Reference page	
B1186-B1191	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	SRC-302, "DTC Logic".	
B1202-B1207	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	SRC-304, "DTC Logic".	-
B1209	FRONTAL COLLISION DETECTION	_	Seat belt pre-tensioner, driver side air bag and pas- senger air bag are deployed	SRC-306, "DTC Logic".	-
B1210	SIDE COLLISION DE- TECTION	_	Side air bag and door-mounted curtain air bag is deployed	SRC-307, "DTC Logic".	-
B1211	ROLLOVER DETEC- TION	_	Seat belt pre-tensioner side door-mounted curtain air bag module are deployed because of rollover detec- tion	<u>SRC-308, "DTC</u> Logic".	-
B1212-B1214	RH1 SAT-SENS	3* <sup>2</sup>	Satellite sensor RH is malfunctioning	SRC-309, "DTC Logic".	-
B1215-B1217	LH1 SAT-SENS	4 <sup>*2</sup>	Satellite sensor LH is malfunctioning	SRC-311, "DTC Logic".	-
B1218-B1223	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	SRC-313, "DTC Logic".	-
B1239	CONTROL UNIT	7	Air bag diagnosis sensor unit is malfunctioning	SRC-315, "DTC Logic"	
B1257	FR-RH DOOR MNT MODULE [OPEN]	14* <sup>2</sup>	Door-mounted curtain air bag RH circuit is open	SRC-316, "DTC Logic"	
B1258	FR-RH DOOR MNT MODULE [VB-SHORT]	14* <sup>2</sup>	Door-mounted curtain air bag RH circuit is shorted to power supply circuit	SRC-318, "DTC Logic"	-
B1259	FR-RH DOOR MNT MODULE [GND-SHORT]	14* <sup>2</sup>	Door-mounted curtain air bag RH circuit is shorted to ground	SRC-320, "DTC Logic"	-
B1260	FR-RH DOOR MNT MODULE [SHORT]	14* <sup>2</sup>	Door-mounted curtain air bag RH circuit are shorted to each other	SRC-322, "DTC Logic"	-
B1262	FR-LH DOOR MNT MODULE [OPEN]	15* <sup>2</sup>	Door-mounted curtain air bag LH circuit is open	<u>SRC-324, "DTC</u> Logic"	-
B1263	FR-LH DOOR MNT MODULE [VB-SHORT]	15* <sup>2</sup>	Door-mounted curtain air bag LH circuit is shorted to power supply circuit	SRC-326. "DTC Logic"	-
B1264	FR-LH DOOR MNT MODULE [GND-SHORT]	15* <sup>2</sup>	Door-mounted curtain air bag LH circuit is shorted to ground	<u>SRC-328, "DTC</u> Logic"	-
B1265	FR-LH DOOR MNT MODULE [SHORT]	15* <sup>2</sup>	Door-mounted curtain air bag LH circuit are shorted to each other	SRC-330, "DTC Logic"	-

\*<sup>1</sup>: For blinking pattern of warning lamp, refer to <u>SRC-173, "Diagnosis with Air Bag Warning Lamp"</u>.

\*2: Side air bag system malfunction.

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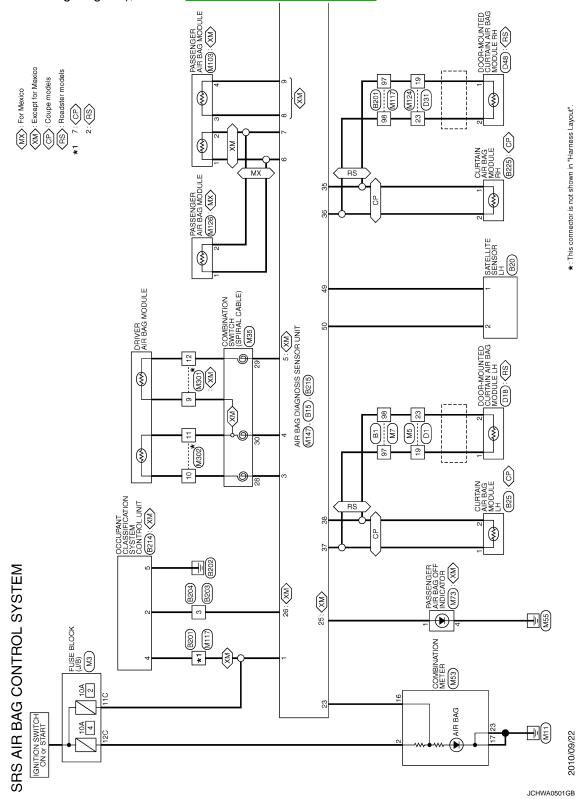
#### < ECU DIAGNOSIS INFORMATION >

#### Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

INFOID:000000007806692

[ROADSTER]

For connector terminal arrangements, harness layouts, and alphabets in a  $\bigcirc$  (option abbreviation; if not described in wiring diagram), refer to <u>GI-12, "Connector Information"</u>.



< ECU DIAGNOSIS INFORMATION >

 XIM>: Except for Mexico

 VISP : With climate controlled seat

 OS> : Without climate controlled seat

А To CAN system В î DATA LINK CONNECTOR M24 DATA LINE С \*: This connector is not shown in "Harness Layout". 8 BUCKLE SWITCH PASSENGER SIDE) (B565): (WS) 00 D B557 , B557**\*** B227 (B227 Ε 75 79 SEAT BELT BUCKLE SWITCH (PASSENGER SIDE) (213): (OS) F SEAT BELT PRE-TENSIONER B219 (B219) 29 : XM B204 B203 ŝ [§] 6 G SEAT BELT BUCKLE SWITCH (DRIVER SIDE) B515: WS ٤ B507 B507 B57 B57 SRC 75 79 AIR BAG DIAGNOSIS SENSOR UNIT (M147). (B15). (B215) SEAT BELT PRE-TENSIONER LH (B19) BUCKLE SWITCH (DRIVER SIDE) B13): (OS) 1 30 : XM B88 B89 (N) NS/ e 働 ٤ -J 4 ZONE SENSOR E36 SIDE AIR BAG MODULE RH B212 Κ 58 59 L 20 M SIDE AIR BAG MODULE LH B12 SATELLITE SENSOR RH (B220) Ν ٤ α 5 0 JCHWA0502GB

Revision: 2011 August

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[ROADSTER]

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	
< SYMPTOM DIAGNOSIS >	[ROADSTER]
SYMPTOM DIAGNOSIS	
SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	
Diagnosis Procedure	INFOID:000000007622009
<b>1.</b> CHECK AIR BAG MODULE AND SEAT BELT PRE-TENSIONER	
Check the deployment of air bag module and seat belt pre-tensioner.	
Is air bag module deployed?	
YES >> Replace the malfunctioning parts. NO >> GO TO 2.	
2.CHECK AIR BAG FUSE	
Check 10A fuse [No.2, located in fuse block (J/B)].	
Is the inspection result normal?	
YES >> GO TO 3. NO >> Replace the fuse.	
NO >> Replace the fuse. 3.CHECK HARNESS CONNECTOR	
Check the harness connector. <u>Is the inspection result normal?</u>	
YES >> GO TO 4.	
NO >> Replace harness connectors.	
4.CHECK WIRING HARNESS	
Check the wiring harness externals.	
Is the inspection result normal?	
YES >> GO TO 5. NO >> Replace wiring harness.	
5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "COUPE : Exploded View"</u> .	
2. Check air bag warning lamp operation.	
Is the inspection result normal? YES >> INSPECTION END	
NO $>>$ GO TO 6.	
6.REPLACE COMBINATION METER	
<ol> <li>Replace combination meter. Refer to <u>MWI-92, "Removal and Installation"</u>.</li> <li>Check air bag warning lamp operation.</li> </ol>	
Is the inspection result normal?	
YES >> INSPECTION END	
NO >> GO TO 1.	

SRS AIR BAG WARNING LAMP DOES NOT TURN ON < SYMPTOM DIAGNOSIS > [ROADSTER]
SRS AIR BAG WARNING LAMP DOES NOT TURN ON
Diagnosis Procedure
1. CHECK COMBINATION METER POWER SPPLY AND GROUND CIRCUIT
Check conbination meter unit power supply and ground circuit. Refer to MWI-45, "COMBINATION METER Diagnosis Procedure".         Is the inspection result normal?         YES       >> GO TO 2.         NO       >> Repair or replace the malfunctioning parts.
2.CHECK HARNESS CONNECTOR
Check the harness connector. <u>Is the inspection result normal?</u> YES >> GO TO 3. NO >> Replace harness connectors. <b>3.</b> CHECK WIRING HARNESS
Check the wiring harness externals. <u>Is the inspection result normal?</u> YES >> GO TO 4. NO >> Replace wiring harness. <b>4.</b> CHECK AIR BAG DIAGNOSIS SENSOR UNIT
Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.
Does air bag warning lamp turn ON?YES>> Replace air bag diagnosis sensor unit. Refer to <a href="https://www.sensor.com/sensor">SR-30, "COUPE : Exploded View"</a> .NO>> Replace combination meter. Refer to <a href="https://www.sensor.com/www.sensor">MWI-92, "Removal and Installation"</a> .

# < PRECAUTION > PRECAUTION PRECAUTIONS

#### Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

#### WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

#### Service

INFOID:000000007622012

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more.

For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until 3 minutes or more elapse.

- Diagnosis sensor unit must always be installed with their arrow marks " " pointing towards the front of the vehicle for normal operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace if necessary.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Perform self-diagnosis to check entire SRS for normal function after replacing any components.
- After air bag inflates, the front instrument panel assembly must be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

#### Occupant Classification System Precaution

INFOID:000000007622013

Replace Occupant Classification System control unit and passenger front seat cushion as an assembly. Refer to <u>SE-71, "Removal and Installation"</u>.

#### < PRECAUTION >

#### [ROADSTER]

#### Precaution for Battery Service

INFOID:000000007622014

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

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